

Test Report

Number: SHAH01410216

Applicant: YOUNG SPORTING GOODS(SUZHOU) CO.,LTD
NO.498 CHANGAN ROAD,WUJIANG
ECONOMIC & TECHNOLOGICAL
DEVELOPMENT ZONE, WUJIANG,
JIANGSU 215200, CHINA

Date: 10 Dec, 2021

Sample Description:

One (1) style of submitted sample said to be :

Item Name : RUSH/G SMOKE/RED GREY BLACK.
Item No. : RUSH.
Supplier : YOUNG SPORTING GOODS(SUZHOU) CO.,LTD.
Buyer : IGA COMPANY S.A.S.
Goods Exported To : ITALY.
Country Of Origin : CHINA.

Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

Conclusion:

<u>Tested sample:</u>	<u>Requirement:</u>	<u>Result:</u>
Submitted samples	ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming Excluding: - Clause 4.1 - Physiological compatibility	Pass

To be continued

Authorized By:
Intertek Testing Services Ltd. Zhejiang, Wenzhou Branch



Peter Chen
General Manager



Test Report

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Tests Conducted

1 Requirements for Swimming Eyewear

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming.

Number of samples tested: Five (5) pairs.

Note:

- (1) The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.
- (2) Physiological compatibility
Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

Substances recommended for cleaning, maintenance or disinfection shall be known to be unlikely to have any adverse effect upon the wearer, when applied in accordance with the instructions given in the information to be supplied by the manufacturer.

Manufacturers/suppliers shall perform an appropriate risk analysis on potentially harmful substances contained in the eyewear that, when the eyewear is used under the conditions and for the purposes intended, the health (and safety) of the wearer shall not be compromised.

Clause	Requirement	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	Note (2)
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	P
4.4	Lens material and surface quality	P
4.6	Resistance to corrosion	NA
4.7	Retention by headband (sit and fit)	P
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Antireflective coated lenses (optional)	NA (No claim)



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Clause	Requirement	Result
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	NA
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription	NA
8	Mechanical strength	P
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory marking on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P#1
12.4	Additional information to be available from the manufacturer	#2

Abbreviation: P = Pass; NA = Not Applicable;

To be continued



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Test data:

5.2 Transmittance and filter categories

Range	Left ocular (%)	Right ocular (%)	Tint category
380 - 780nm (τ_{vD65})	35.01	34.18	SW2

Range	Measured value (%)		Requirement (%)	
	Left ocular	Right ocular	Left	Right
280 - 315nm (τ_{SUVB})	0.00	0.00	$\leq 0.05 \tau_{vD65}$ (1.75)	$\leq 0.05 \tau_{vD65}$ (1.71)
315 - 380nm ($\tau_{SUVA380}$)	0.02	0.02	$\leq 0.25 \tau_{vD65}$ (8.75)	$\leq 0.25 \tau_{vD65}$ (8.55)
380 - 400nm ($\tau_{m380-400}$)	13.50	11.94	$\leq 0.50 \tau_{vD65}$ (17.51)	$\leq 0.50 \tau_{vD65}$ (17.09)

Requirement: (Table 1)

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1 Uniformity of luminous transmittance and transmittance matching

Uniformity	Left ocular (%)	Right ocular (%)	Requirement (%)
Variation within lens [relative to higher value]	7.28	3.70	≤ 15
Difference between lenses [relative to lighter filter]	2.37		≤ 15

6 Scattered light

Scattered light	Left ocular (%)	Right ocular (%)	Requirement (%)
	0.5	0.4	≤ 3

7.1.1 Refractive power

Optical power	Left ocular	Right ocular	Requirement (m^{-1})
Spherical power (m^{-1})	+0.05	+0.09	± 0.18
Astigmatic power (m^{-1})	0.00	0.00	≤ 0.18
Difference of spherical power between left and right filters (m^{-1})	0.04		≤ 0.25

To be continued



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7.1.3 Prism imbalance

Prismatic power difference (cm/m)			Requirement (cm/m)
Horizontal	Base out	0.16	≤ 1.00
	Base in	----	≤ 0.25
Vertical		0.00	≤ 0.25

9.1 Minimum optical aperture

Optical aperture on the horizontal centreline (mm)	Left ocular	>32	<u>Requirement</u> ≥ 23 (Adult)
	Right ocular	>32	

9.4 Resistance to fogging

Time of remain free from fogging (s)	Left ocular	>35	<u>Requirement</u> ≥ 30
	Right ocular	>35	

10.1 Leakage

Pressure rose in 10s (Kpa)	Left ocular	0.0	<u>Requirement</u> ≤ 0.3
	Right ocular	0.0	
Pressure rose in 20s (Kpa)	Left ocular	0.0	<u>Requirement</u> ≤ 3.0
	Right ocular	0.0	

Remarks:

#1 – All information were reviewed by artwork.

#2 – The following information shall be available from the manufacturer or supplier on request:

- Explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- The position of the reference point when this is different from the one defined in this document;
- Country of origin (made in ...);
- Nominal value of luminous transmittance;
- Transmittance requirements applicable to this product;
- Base material of lenses and eyecup.

Date sample received: Nov.30, 2021

Testing period: Dec.5, 2021 to Dec.10, 2021

To be continued



Test Report

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Tests Conducted



End of report

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TEST REPORT

Technical Report: (9925)092-0112

April 9, 2025

Date Received: April 2, 2025

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APPLICANT NAME Ivy
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Blue	Item Name:	PICO
Item No.:	131	P.O. No.:	/
Model No.:	/	Batch No.:	/
Age Grade:	Child	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	April 2, 2025 to April 9, 2025	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

BUREAU VERITAS
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April 9, 2025

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REMARK

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BUREAU VERITAS

CONSUMER PRODUCTS SERVICE

SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

Kerwin

San Shen
General Manager



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Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Blue swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



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TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail



TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass

TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{VD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	68.8	71.9
Tint category	SW1	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{VD65}$ (3.44)	$\leq 0.05\tau_{VD65}$ (3.60)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.50\tau_{VD65}$ (34.4)	$\leq 0.50\tau_{VD65}$ (36.0)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.75\tau_{VD65}$ (51.6)	$\leq 0.75\tau_{VD65}$ (53.9)	8.24	9.40

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{VD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{VD65}	0.50 τ_{VD65}	0.75 τ_{VD65}	$\tau_{VD65} > 80\%$
SW1				$43\% < \tau_{VD65} \leq 80\%$
SW2		0.25 τ_{VD65}	0.50 τ_{VD65}	$18\% < \tau_{VD65} \leq 43\%$
SW3				$8\% < \tau_{VD65} \leq 18\%$
SW4				$3\% < \tau_{VD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	2.34	3.03	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	4.35		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.20	0.15

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	-0.01	0.00	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.01		≤ 0.25
Astigmatic Power(m^{-1})	0.02	0.04	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.26	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.01	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 25	M Pass
		Right ocular: > 25	

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$	Left ocular: M	Right ocular: M Pass
		Nasal $\geq 30^\circ$		
		Superior $\geq 30^\circ$		
		Inferior $\geq 30^\circ$		

**TEST RESULTS**

9.4: Resistance to fogging (optional)

Evaluation	Criteria		Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Left ocular: > 30s	M	Pass
		Right ocular: > 30s		

10.1: Leakage

Evaluation	Criteria			Result	Comments
Leakage	When tested in accordance with 11.1., the pressure shall not rise by more than 0.3 kPa after 10 s and 3.0 kPa after 20 s.	Pressure rose in 10s (Kpa)	Left ocular: 0.2	M	Pass
			Right ocular: 0.2		
		Pressure rose in 20s (Kpa)	Left ocular: 0.5	M	
			Right ocular: 0.5		

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6, the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Nosebridge Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass



TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear.	M	Pass

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-C12.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement. Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- a) explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- b) the position of the reference point when this is different from the one defined in this document;
- c) country of origin (made in ...);
- d) nominal value of luminous transmittance;
- e) transmittance requirements applicable to this product;
- f) base material of lenses and eyecup.

END

Test Report

Number: SHAH01410217

Applicant: YOUNG SPORTING GOODS(SUZHOU) CO.,LTD
NO.498 CHANGAN ROAD,WUJIANG
ECONOMIC & TECHNOLOGICAL
DEVELOPMENT ZONE, WUJIANG,
JIANGSU 215200, CHINA

Date: 10 Dec, 2021

Sample Description:

One (1) style of submitted sample said to be :
Item Name : RECORD/C BLUE/RED BLACK GREY.
Item No. : RECORD.
Supplier : YOUNG SPORTING GOODS(SUZHOU) CO.,LTD
Buyer : IGA COMPANY S.A.S
Goods Exported To : ITALY
Country Of Origin : CHINA

Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

Conclusion:

<u>Tested sample:</u>	<u>Requirement:</u>	<u>Result:</u>
Submitted samples	ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming Excluding: - Clause 4.1 - Physiological compatibility	Pass

To be continued

Authorized By:
Intertek Testing Services Ltd. Zhejiang, Wenzhou Branch



Peter Chen
General Manager



Test Report

Number: SHAH01410217

Tests Conducted

1 Requirements for Swimming Eyewear

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming.

Number of samples tested: Five (5) pairs.

Note:

- (1) The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.
- (2) Physiological compatibility
Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

Substances recommended for cleaning, maintenance or disinfection shall be known to be unlikely to have any adverse effect upon the wearer, when applied in accordance with the instructions given in the information to be supplied by the manufacturer.

Manufacturers/suppliers shall perform an appropriate risk analysis on potentially harmful substances contained in the eyewear that, when the eyewear is used under the conditions and for the purposes intended, the health (and safety) of the wearer shall not be compromised.

Clause	Requirement	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	Note (2)
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	P
4.4	Lens material and surface quality	P
4.6	Resistance to corrosion	NA
4.7	Retention by headband (sit and fit)	P
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Antireflective coated lenses (optional)	NA (No claim)



Test Report

Number: SHAH01410217

Tests Conducted

Clause	Requirement	Result
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	NA
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription	NA
8	Mechanical strength	P
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory marking on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P#1
12.4	Additional information to be available from the manufacturer	#2

Abbreviation: P = Pass; NA = Not Applicable;

To be continued



Test Report

Number: SHAH01410217

Tests Conducted

Test data:

5.2 Transmittance and filter categories

Range	Left ocular (%)	Right ocular (%)	Tint category
380 - 780nm (τ_{vD65})	36.16	35.58	SW2

Range	Measured value (%)		Requirement (%)	
	Left ocular	Right ocular	Left	Right
280 - 315nm (τ_{SUVB})	0.00	0.00	$\leq 0.05 \tau_{vD65}$ (1.81)	$\leq 0.05 \tau_{vD65}$ (1.78)
315 - 380nm ($\tau_{SUVA380}$)	0.02	0.02	$\leq 0.25 \tau_{vD65}$ (9.04)	$\leq 0.25 \tau_{vD65}$ (8.90)
380 - 400nm ($\tau_{m380-400}$)	13.65	13.33	$\leq 0.50 \tau_{vD65}$ (18.08)	$\leq 0.50 \tau_{vD65}$ (17.79)

Requirement: (Table 1)

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1 Uniformity of luminous transmittance and transmittance matching

Uniformity	Left ocular (%)	Right ocular (%)	Requirement (%)
Variation within lens [relative to higher value]	2.97	4.51	≤ 15
Difference between lenses [relative to lighter filter]	1.60		≤ 15

6 Scattered light

Scattered light	Left ocular (%)	Right ocular (%)	Requirement (%)
	0.3	0.4	≤ 3

7.1.1 Refractive power

Optical power	Left ocular	Right ocular	Requirement (m^{-1})
Spherical power (m^{-1})	+0.05	+0.03	± 0.18
Astigmatic power (m^{-1})	0.00	0.00	≤ 0.18
Difference of spherical power between left and right filters (m^{-1})	0.02		≤ 0.25

To be continued



Test Report

Number: SHAH01410217

Tests Conducted

7.1.3 Prism imbalance

Prismatic power difference (cm/m)			Requirement (cm/m)
Horizontal	Base out	0.11	≤ 1.00
	Base in	----	≤ 0.25
Vertical			0.05
			≤ 0.25

9.1 Minimum optical aperture

Optical aperture on the horizontal centreline (mm)	Left ocular	>40	<u>Requirement</u> ≥ 23 (Adult)
	Right ocular	>40	

9.4 Resistance to fogging

Time of remain free from fogging (s)	Left ocular	>35	<u>Requirement</u> ≥ 30
	Right ocular	>35	

10.1 Leakage

Pressure rose in 10s (Kpa)	Left ocular	0.2	<u>Requirement</u> ≤ 0.3
	Right ocular	0.2	
Pressure rose in 20s (Kpa)	Left ocular	0.0	<u>Requirement</u> ≤ 3.0
	Right ocular	0.0	

Remarks:

#1 – All information were reviewed by artwork.

#2 – The following information shall be available from the manufacturer or supplier on request:

- Explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- The position of the reference point when this is different from the one defined in this document;
- Country of origin (made in ...);
- Nominal value of luminous transmittance;
- Transmittance requirements applicable to this product;
- Base material of lenses and eyecup.

Date sample received: Nov.30, 2021

Testing period: Dec.5, 2021 to Dec.10, 2021

To be continued



Test Report

Number: SHAH01410217

Tests Conducted



End of report

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Test Report

Number: SHAH01410212

Applicant: YOUNG SPORTING GOODS(SUZHOU) CO.,LTD
NO.498 CHANGAN ROAD,WUJIANG
ECONOMIC & TECHNOLOGICAL
DEVELOPMENT ZONE, WUJIANG,
JIANGSU 215200, CHINA

Date: 10 Dec, 2021

Sample Description:

One (1) style of submitted sample said to be :

Item Name : IMPACT/G BROWN GREY WHITE.
Item No. : IMPACT G-GREY.
Supplier : YOUNG SPORTING GOODS(SUZHOU) CO.,LTD.
Buyer : IGA COMPANY S.A.S.
Goods Exported To : ITALY.
Country Of Origin : CHINA.

Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

Conclusion:

<u>Tested sample:</u>	<u>Requirement:</u>	<u>Result:</u>
Submitted samples	ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming Excluding: - Clause 4.1 - Physiological compatibility	Pass

To be continued

Authorized By:
Intertek Testing Services Ltd. Zhejiang, Wenzhou Branch



Peter Chen
General Manager



Test Report

Number: SHAH01410212

Tests Conducted

1 Requirements for Swimming Eyewear

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming.

Number of samples tested: Five (5) pairs.

Note:

- (1) The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.
- (2) Physiological compatibility
Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

Substances recommended for cleaning, maintenance or disinfection shall be known to be unlikely to have any adverse effect upon the wearer, when applied in accordance with the instructions given in the information to be supplied by the manufacturer.

Manufacturers/suppliers shall perform an appropriate risk analysis on potentially harmful substances contained in the eyewear that, when the eyewear is used under the conditions and for the purposes intended, the health (and safety) of the wearer shall not be compromised.

Clause	Requirement	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	Note (2)
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	P
4.4	Lens material and surface quality	P
4.6	Resistance to corrosion	NA
4.7	Retention by headband (sit and fit)	P
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Antireflective coated lenses (optional)	NA (No claim)



Test Report

Number: SHAH01410212

Tests Conducted

Clause	Requirement	Result
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	NA
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription	NA
8	Mechanical strength	P
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory marking on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P#1
12.4	Additional information to be available from the manufacturer	#2

Abbreviation: P = Pass; NA = Not Applicable;

To be continued



Test Report

Number: SHAH01410212

Tests Conducted

Test data:

5.2 Transmittance and filter categories

Range	Left ocular (%)	Right ocular (%)	Tint category
380 - 780nm ($\tau_{v D65}$)	85.51	85.27	SW0

Range	Measured value (%)		Requirement (%)	
	Left ocular	Right ocular	Left	Right
280 - 315nm (τ_{SUVB})	0.01	0.01	$\leq 0.05 \tau_{v D65}$ (4.28)	$\leq 0.05 \tau_{v D65}$ (4.26)
315 - 380nm ($\tau_{SUA 380}$)	0.03	0.03	$\leq 0.50 \tau_{v D65}$ (42.76)	$\leq 0.50 \tau_{v D65}$ (42.63)
380 - 400nm ($\tau_{m380-400}$)	21.05	21.00	$\leq 0.75 \tau_{v D65}$ (64.13)	$\leq 0.75 \tau_{v D65}$ (63.95)

Requirement: (Table 1)

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUA 380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance $\tau_{v D65}$ 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 $\tau_{v D65}$	0.50 $\tau_{v D65}$	0.75 $\tau_{v D65}$	$\tau_{v D65} > 80\%$
SW1				$43\% < \tau_{v D65} \leq 80\%$
SW2		0.25 $\tau_{v D65}$	0.50 $\tau_{v D65}$	$18\% < \tau_{v D65} \leq 43\%$
SW3				$8\% < \tau_{v D65} \leq 18\%$
SW4				$3\% < \tau_{v D65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1 Uniformity of luminous transmittance and transmittance matching

Uniformity	Left ocular (%)	Right ocular (%)	Requirement (%)
Variation within lens [relative to higher value]	1.72	1.33	≤ 15
Difference between lenses [relative to lighter filter]	0.28		≤ 15

6 Scattered light

Scattered light	Left ocular (%)	Right ocular (%)	Requirement (%)
	0.5	0.5	≤ 3

7.1.1 Refractive power

Optical power	Left ocular	Right ocular	Requirement (m^{-1})
Spherical power (m^{-1})	-0.01	+0.07	± 0.18
Astigmatic power (m^{-1})	0.00	0.00	≤ 0.18
Difference of spherical power between left and right filters (m^{-1})	0.08		≤ 0.25

To be continued



Test Report

Number: SHAH01410212

Tests Conducted

7.1.3 Prism imbalance

Prismatic power difference (cm/m)			Requirement (cm/m)
Horizontal	Base out	0.16	≤ 1.00
	Base in	----	≤ 0.25
Vertical			0.04 ≤ 0.25

9.1 Minimum optical aperture

Optical aperture on the horizontal centreline (mm)	Left ocular	>30	<u>Requirement</u> ≥ 23 (Adult)
	Right ocular	>30	

9.4 Resistance to fogging

Time of remain free from fogging (s)	Left ocular	>35	<u>Requirement</u> ≥ 30
	Right ocular	>35	

10.1 Leakage

Pressure rose in 10s (Kpa)	Left ocular	0.2	<u>Requirement</u> ≤ 0.3
	Right ocular	0.2	
Pressure rose in 20s (Kpa)	Left ocular	0.2	<u>Requirement</u> ≤ 3.0
	Right ocular	0.0	

Remarks:

#1 – All information were reviewed by artwork.

#2 – The following information shall be available from the manufacturer or supplier on request:

- Explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- The position of the reference point when this is different from the one defined in this document;
- Country of origin (made in ...);
- Nominal value of luminous transmittance;
- Transmittance requirements applicable to this product;
- Base material of lenses and eyecup.

Date sample received : Nov.30, 2021

Testing period : Dec.5, 2021 To Dec.10, 2021

To be continued



Test Report

Number: SHAH01410212

Tests Conducted



End of report

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TEST REPORT

Technical Report: (9925)092-0131

April 9, 2025

Date Received: April 2, 2025

Page 1 of 13

APPLICANT NAME Ivy
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Blue, Red	Item Name:	STORM
Item No.:	136	P.O. No.:	/
Model No.:	/	Batch No.:	/
Age Grade:	Adult	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	April 2, 2025 to April 9, 2025	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

BUREAU VERITAS
Consumer Products Services Shen'ou (Wenzhou) Co., Ltd.
Room 501, Building 25, National University Science
Technology Park, No.27 Nanhu Road, Ouhai District,
Wenzhou, China
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Technical Report: **(9925)092-0131**

April 9, 2025

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REMARK

If there are questions or concerns on this report, please contact the following persons:

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Frances shen@bureauveritas.com

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BUREAU VERITAS

CONSUMER PRODUCTS SERVICE

SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

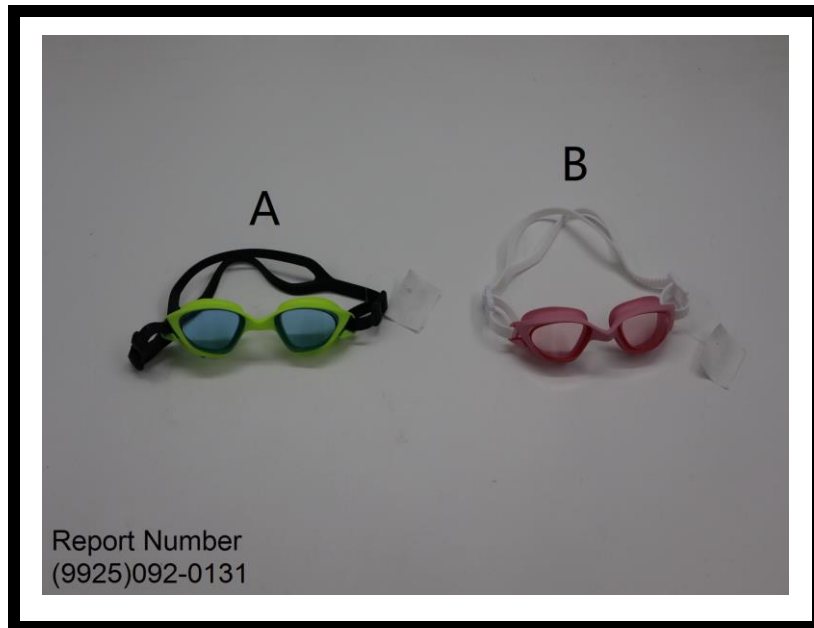
Kerwin

San Shen
General Manager



Technical Report: **(9925)092-0131**
April 9, 2025
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Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Blue swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



Technical Report: (9925)092-0131

April 9, 2025

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TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail

TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass



TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{VD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	61.1	59.0
Tint category	SW1	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{VD65}$ (3.06)	$\leq 0.05\tau_{VD65}$ (2.95)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.50\tau_{VD65}$ (30.6)	$\leq 0.50\tau_{VD65}$ (29.5)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.75\tau_{VD65}$ (45.8)	$\leq 0.75\tau_{VD65}$ (44.3)	19.5	19.1

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{VD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{VD65}	0.50 τ_{VD65}	0.75 τ_{VD65}	$\tau_{VD65} > 80\%$
SW1				$43\% < \tau_{VD65} \leq 80\%$
SW2		0.25 τ_{VD65}	0.50 τ_{VD65}	$18\% < \tau_{VD65} \leq 43\%$
SW3				$8\% < \tau_{VD65} \leq 18\%$
SW4				$3\% < \tau_{VD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	2.78	7.17	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	3.42		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.20	0.32

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m ⁻¹)	-0.01	0.02	±0.18
Difference of spherical power between left and right filters (m ⁻¹)	0.03		≤ 0.25
Astigmatic Power(m ⁻¹)	0.02	0.02	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.13	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.02	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 25	M Pass
		Right ocular: > 25	

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$	Left ocular: M	Right ocular: M Pass
		Nasal $\geq 30^\circ$		
		Superior $\geq 30^\circ$		
		Inferior $\geq 30^\circ$		

TEST RESULTS

9.4: Resistance to fogging (optional)

Evaluation	Criteria		Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Left ocular: > 30s	M	Pass
		Right ocular: > 30s		

10.1: Leakage

Evaluation	Criteria			Result	Comments
Leakage	When tested in accordance with 11.1., the pressure shall not rise by more than 0.3 kPa after 10 s and 3.0 kPa after 20 s.	Pressure rose in 10s (Kpa)	Left ocular: 0.1	M	Pass
			Right ocular: 0.1		
		Pressure rose in 20s (Kpa)	Left ocular: 0.1	M	
			Right ocular: 0.2		

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6, the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Nosebridge Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass



TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear.	M	Pass

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement. Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- the position of the reference point when this is different from the one defined in this document;
- country of origin (made in ...);
- nominal value of luminous transmittance;
- transmittance requirements applicable to this product;
- base material of lenses and eyecup.

TEST RESULTS

Test samples: B Red swimming goggles

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	73.5	72.3
Tint category	SW1	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (3.68)	$\leq 0.05\tau_{vD65}$ (3.62)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.50\tau_{vD65}$ (36.8)	$\leq 0.50\tau_{vD65}$ (36.2)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.75\tau_{vD65}$ (55.1)	$\leq 0.75\tau_{vD65}$ (54.2)	20.1	20.8

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3)
	9.46	10.5	$\leq 20\%$ (Category SW4)
Relative Difference in Luminous Transmittance between filter %	1.62		$\leq 15\%$

END



TEST REPORT

Technical Report: (9925)092-0110

April 9, 2025

Date Received: April 2, 2025

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APPLICANT NAME Ivy
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Red	Item Name:	NANO
Item No.:	138	P.O. No.:	/
Model No.:	/	Batch No.:	/
Age Grade:	Child	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	April 2, 2025 to April 9, 2025	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

BUREAU VERITAS
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April 9, 2025

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REMARK

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BUREAU VERITAS

CONSUMER PRODUCTS SERVICE

SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

Kerwin

San Shen
General Manager



Technical Report: (9925)092-0110
April 9, 2025
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Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Red swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



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TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail



TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass

TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{VD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	79.1	76.5
Tint category	SW1	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{VD65}$ (3.96)	$\leq 0.05\tau_{VD65}$ (3.83)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.50\tau_{VD65}$ (39.6)	$\leq 0.50\tau_{VD65}$ (38.3)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.75\tau_{VD65}$ (59.3)	$\leq 0.75\tau_{VD65}$ (57.4)	23.5	17.9

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{VD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{VD65}	0.50 τ_{VD65}	0.75 τ_{VD65}	$\tau_{VD65} > 80\%$
SW1				$43\% < \tau_{VD65} \leq 80\%$
SW2		0.25 τ_{VD65}	0.50 τ_{VD65}	$18\% < \tau_{VD65} \leq 43\%$
SW3				$8\% < \tau_{VD65} \leq 18\%$
SW4				$3\% < \tau_{VD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	3.11	4.38	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	3.39		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.22	0.18

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	-0.04	-0.01	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.03		≤ 0.25
Astigmatic Power(m^{-1})	0.04	0.01	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.26	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.00	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 25	M Pass
		Right ocular: > 25	

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$	Left ocular: M	Right ocular: M Pass
		Nasal $\geq 30^\circ$		
		Superior $\geq 30^\circ$		
		Inferior $\geq 30^\circ$		

TEST RESULTS

9.4: Resistance to fogging (optional)

Evaluation	Criteria		Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Left ocular: > 30s	M	Pass
		Right ocular: > 30s		

10.1: Leakage

Evaluation	Criteria			Result	Comments
Leakage	When tested in accordance with 11.1., the pressure shall not rise by more than 0.3 kPa after 10 s and 3.0 kPa after 20 s.	Pressure rose in 10s (Kpa)	Left ocular: 0.1	M	Pass
			Right ocular: 0.1		
		Pressure rose in 20s (Kpa)	Left ocular: 0.1	M	
			Right ocular: 0.2		

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6, the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Nosebridge Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass



TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear.	M	Pass

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-C12.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement. Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- a) explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- b) the position of the reference point when this is different from the one defined in this document;
- c) country of origin (made in ...);
- d) nominal value of luminous transmittance;
- e) transmittance requirements applicable to this product;
- f) base material of lenses and eyecup.

END



TEST REPORT

Technical Report: (9925)092-0111

April 11, 2025

Date Received: April 2, 2025

Page 1 of 13

APPLICANT NAME Ivy
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Black/silver, Black/blue	Item Name:	JETSTREAM
Item No.:	139	P.O. No.:	/
Model No.:	/	Batch No.:	/
Age Grade:	Adult	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	April 2, 2025 to April 11, 2025	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

BUREAU VERITAS
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Technical Report: **(9925)092-0111**

April 11, 2025

Page 2 of 13

REMARK

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BUREAU VERITAS

CONSUMER PRODUCTS SERVICE

SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

Kerwin

San Shen
General Manager



Technical Report: **(9925)092-0111**
April 11, 2025
Page 3 of 13

Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Black/silver swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



Technical Report: (9925)092-0111

April 11, 2025

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TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail



TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass

TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	11.4	11.2
Tint category	SW3	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (0.57)	$\leq 0.05\tau_{vD65}$ (0.56)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25\tau_{vD65}$ (2.85)	$\leq 0.25\tau_{vD65}$ (2.80)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50\tau_{vD65}$ (5.70)	$\leq 0.50\tau_{vD65}$ (5.60)	2.77	3.15

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	2.72	1.33	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	2.11		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.31	0.22

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	0.05	0.03	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.02		≤ 0.25
Astigmatic Power(m^{-1})	0.01	0.01	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.01	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.02	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 25	M Pass
		Right ocular: > 25	

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$	Left ocular: M	Right ocular: M Pass
		Nasal $\geq 30^\circ$		
		Superior $\geq 30^\circ$		
		Inferior $\geq 30^\circ$		

TEST RESULTS

9.4: Resistance to fogging (optional)

Evaluation	Criteria		Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Left ocular: > 30s	M	Pass
		Right ocular: > 30s		

10.1: Leakage

Evaluation	Criteria			Result	Comments
Leakage	When tested in accordance with 11.1., the pressure shall not rise by more than 0.3 kPa after 10 s and 3.0 kPa after 20 s.	Pressure rose in 10s (Kpa)	Left ocular: 0.1	M	Pass
			Right ocular: 0.1		
		Pressure rose in 20s (Kpa)	Left ocular: 0.1	M	
			Right ocular: 0.1		

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6. the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Nosebridge Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass



TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear.	M	Pass

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- a) explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- b) the position of the reference point when this is different from the one defined in this document;
- c) country of origin (made in ...);
- d) nominal value of luminous transmittance;
- e) transmittance requirements applicable to this product;
- f) base material of lenses and eyecup.

TEST RESULTS

Test samples: B Black/blue swimming goggles

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	12.3	12.1
Tint category	SW3	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (0.62)	$\leq 0.05\tau_{vD65}$ (0.61)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25\tau_{vD65}$ (3.08)	$\leq 0.25\tau_{vD65}$ (3.03)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50\tau_{vD65}$ (6.15)	$\leq 0.50\tau_{vD65}$ (6.05)	0.46	0.35

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3)
	8.99	4.14	$\leq 20\%$ (Category SW4)
Relative Difference in Luminous Transmittance between filter %	1.06		$\leq 15\%$

END



TEST REPORT

Technical Report: (9925)092-0109

April 11, 2025

Date Received: April 2, 2025

Page 1 of 12

APPLICANT NAME Ivy
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Black/silver, Black/blue	Item Name:	OPTICAL
Item No.:	140	P.O. No.:	/
Model No.:	/	Batch No.:	/
Age Grade:	Adult	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	April 2, 2025 to April 11, 2025	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

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Technical Report: **(9925)092-0109**

April 11, 2025

Page 2 of 12

REMARK

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BUREAU VERITAS

CONSUMER PRODUCTS SERVICE

SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

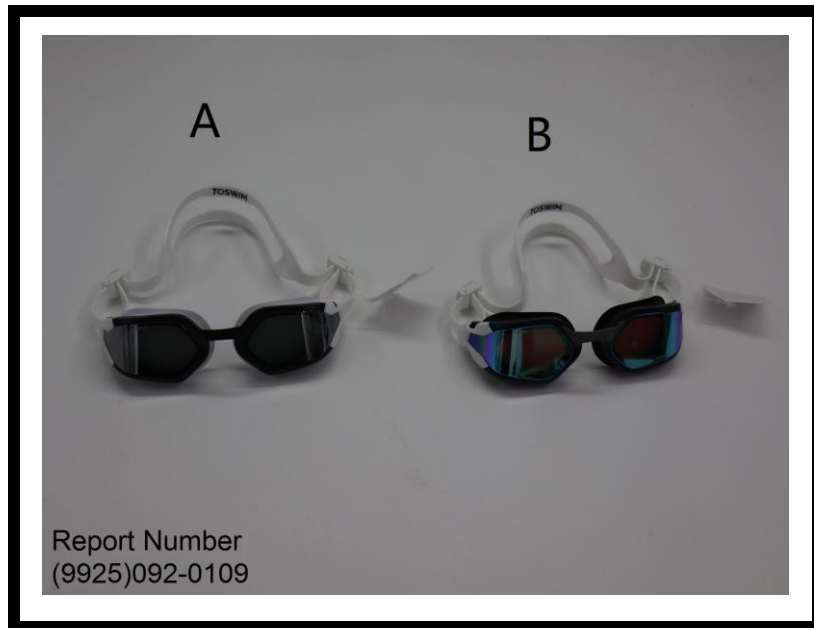
Kerwin

San Shen
General Manager



Technical Report: **(9925)092-0109**
April 11, 2025
Page 3 of 12

Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Black/silver swimming goggles(+2.00D)

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	NA
7.1.2	Spatial deviation	NA
7.1.3	Prism imbalance	NA
7.2	Non-prescription mass-produced powered lenses	P
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



Technical Report: (9925)092-0109

April 11, 2025

Page 5 of 12

TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail

TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass

TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	10.1	11.3
Tint category	SW3	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (0.51)	$\leq 0.05\tau_{vD65}$ (0.57)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25\tau_{vD65}$ (2.53)	$\leq 0.25\tau_{vD65}$ (2.83)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50\tau_{vD65}$ (5.05)	$\leq 0.50\tau_{vD65}$ (5.65)	0.25	0.29

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	1.93	13.1	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	9.87		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.55	0.61

7.2: Non-prescription mass-produced powered lenses

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m ⁻¹)	0.04	0.04	±0.25
Astigmatic Power(m ⁻¹)	0.04	0.03	≤ 0.25

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30	M Pass
		Right ocular: > 30	

TEST RESULTS

9.2: Field of view

Evaluation	Criteria		Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$	Left ocular: M	Right ocular: M	Pass
		Nasal $\geq 30^\circ$			
		Superior $\geq 30^\circ$			
		Inferior $\geq 30^\circ$			

9.4: Resistance to fogging (optional)

Evaluation	Criteria		Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Left ocular: > 30s	M	Pass
		Right ocular: > 30s		

10.1: Leakage

Evaluation	Criteria			Result	Comments
Leakage	When tested in accordance with 11.1., the pressure shall not rise by more than 0.3 kPa after 10 s and 3.0 kPa after 20 s.	Pressure rose in 10s (Kpa)	Left ocular: 0.2	M	Pass
			Right ocular: 0.1		
		Pressure rose in 20s (Kpa)	Left ocular: 0.3	M	
			Right ocular: 0.1		

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6, the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Nosebridge Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass



TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear.	M	Pass

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- a) explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- b) the position of the reference point when this is different from the one defined in this document;
- c) country of origin (made in ...);
- d) nominal value of luminous transmittance;
- e) transmittance requirements applicable to this product;
- f) base material of lenses and eyecup.

TEST RESULTS

Test samples: B Black/blue swimming goggles

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	9.04	10.4
Tint category	SW3	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (0.45)	$\leq 0.05\tau_{vD65}$ (0.52)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25\tau_{vD65}$ (2.26)	$\leq 0.25\tau_{vD65}$ (2.60)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50\tau_{vD65}$ (4.52)	$\leq 0.50\tau_{vD65}$ (5.20)	0.36	0.37

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3)
	8.15	5.95	$\leq 20\%$ (Category SW4)
Relative Difference in Luminous Transmittance between filter %	13.2		$\leq 15\%$

END



TEST REPORT

Technical Report: (9925)092-0099

April 9, 2025

Date Received: April 2, 2025

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APPLICANT NAME Ivy
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Black/red, Black	Item Name:	CAPTAIN
Item No.:	141	P.O. No.:	/
Model No.:	/	Batch No.:	/
Age Grade:	Adult	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	April 2, 2025 to April 9, 2025	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

BUREAU VERITAS
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April 9, 2025

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REMARK

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**San Shen
General Manager**

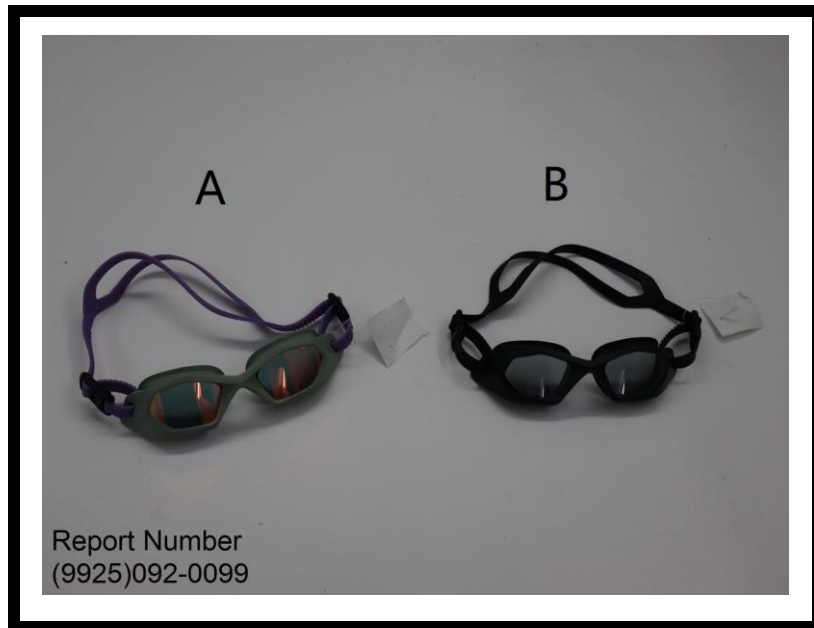


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Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Black/red swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



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TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail

TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass



TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{VD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	31.2	33.0
Tint category	SW2	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{VD65}$ (1.56)	$\leq 0.05\tau_{VD65}$ (1.65)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25\tau_{VD65}$ (7.80)	$\leq 0.25\tau_{VD65}$ (8.25)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50\tau_{VD65}$ (15.6)	$\leq 0.50\tau_{VD65}$ (16.5)	0.68	0.68

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{VD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{VD65}	0.50 τ_{VD65}	0.75 τ_{VD65}	$\tau_{VD65} > 80\%$
SW1				$43\% < \tau_{VD65} \leq 80\%$
SW2		0.25 τ_{VD65}	0.50 τ_{VD65}	$18\% < \tau_{VD65} \leq 43\%$
SW3				$8\% < \tau_{VD65} \leq 18\%$
SW4				$3\% < \tau_{VD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	3.37	3.62	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	5.52		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.22	0.33

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	0.10	0.09	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.01		≤ 0.25
Astigmatic Power(m^{-1})	0.02	0.04	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.25	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.03	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 25	M Pass
		Right ocular: > 25	

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$	Left ocular: M	Right ocular: M Pass
		Nasal $\geq 30^\circ$		
		Superior $\geq 30^\circ$		
		Inferior $\geq 30^\circ$		

TEST RESULTS

9.4: Resistance to fogging (optional)

Evaluation	Criteria		Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Left ocular: > 30s	M	Pass
		Right ocular: > 30s		

10.1: Leakage

Evaluation	Criteria			Result	Comments
Leakage	When tested in accordance with 11.1., the pressure shall not rise by more than 0.3 kPa after 10 s and 3.0 kPa after 20 s.	Pressure rose in 10s (Kpa)	Left ocular: 0.2	M	Pass
			Right ocular: 0.1		
		Pressure rose in 20s (Kpa)	Left ocular: 0.4	M	
			Right ocular: 0.2		

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6. the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Nosebridge Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass



TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear.	M	Pass

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- the position of the reference point when this is different from the one defined in this document;
- country of origin (made in ...);
- nominal value of luminous transmittance;
- transmittance requirements applicable to this product;
- base material of lenses and eyecup.

TEST RESULTS

Test samples: B Black swimming goggles

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	39.9	39.7
Tint category	SW2	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (2.00)	$\leq 0.05\tau_{vD65}$ (1.99)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25\tau_{vD65}$ (9.98)	$\leq 0.25\tau_{vD65}$ (9.93)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50\tau_{vD65}$ (20.0)	$\leq 0.50\tau_{vD65}$ (19.9)	0.44	0.48

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3)
	2.66	5.56	$\leq 20\%$ (Category SW4)
Relative Difference in Luminous Transmittance between filter %	0.55		$\leq 15\%$

END



TEST REPORT

Technical Report: (9925)092-0096

April 9, 2025

Date Received: April 2, 2025

Page 1 of 13

APPLICANT NAME Ivy
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Black, Blue	Item Name:	MAOMI
Item No.:	142	P.O. No.:	/
Model No.:	/	Batch No.:	/
Age Grade:	Adult	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	April 2, 2025 to April 9, 2025	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

BUREAU VERITAS
Consumer Products Services Shen'ou (Wenzhou) Co., Ltd.
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Technical Report: **(9925)092-0096**

April 9, 2025

Page 2 of 13

REMARK

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BUREAU VERITAS

CONSUMER PRODUCTS SERVICE

SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

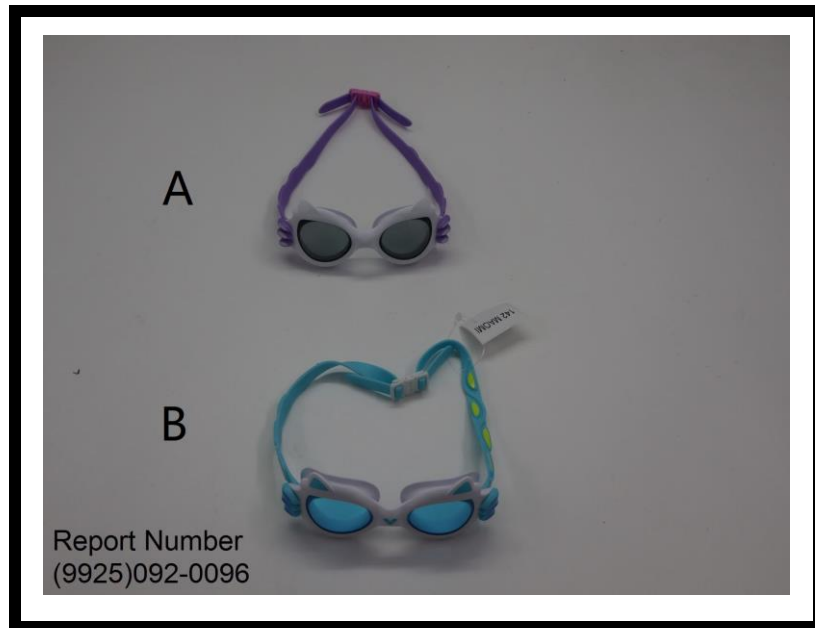
Kerwin

San Shen
General Manager



Technical Report: (9925)092-0096
April 9, 2025
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Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Black swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



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April 9, 2025

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TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail

TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass

TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	34.1	34.7
Tint category	SW2	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (1.71)	$\leq 0.05\tau_{vD65}$ (1.74)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25\tau_{vD65}$ (8.53)	$\leq 0.25\tau_{vD65}$ (8.68)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50\tau_{vD65}$ (17.1)	$\leq 0.50\tau_{vD65}$ (17.4)	0.68	0.70

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	1.53	3.64	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	1.56		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.22	0.25

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	-0.04	-0.07	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.03		≤ 0.25
Astigmatic Power(m^{-1})	0.02	0.04	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.31	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.04	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30	M Pass
		Right ocular: > 30	

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$	Left ocular: M	Right ocular: M Pass
		Nasal $\geq 30^\circ$		
		Superior $\geq 30^\circ$		
		Inferior $\geq 30^\circ$		

TEST RESULTS

9.4: Resistance to fogging (optional)

Evaluation	Criteria		Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Left ocular: > 30s	M	Pass
		Right ocular: > 30s		

10.1: Leakage

Evaluation	Criteria			Result	Comments
Leakage	When tested in accordance with 11.1., the pressure shall not rise by more than 0.3 kPa after 10 s and 3.0 kPa after 20 s.	Pressure rose in 10s (Kpa)	Left ocular: 0.1	M	Pass
			Right ocular: 0.2		
		Pressure rose in 20s (Kpa)	Left ocular: 0.1	M	
			Right ocular: 0.3		

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6. the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Nosebridge Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass



TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear.	M	Pass

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-C12.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- the position of the reference point when this is different from the one defined in this document;
- country of origin (made in ...);
- nominal value of luminous transmittance;
- transmittance requirements applicable to this product;
- base material of lenses and eyecup.

TEST RESULTS

Test samples: B Blue swimming goggles

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	52.1	49.0
Tint category	SW1	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (2.61)	$\leq 0.05\tau_{vD65}$ (2.45)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.50\tau_{vD65}$ (26.1)	$\leq 0.50\tau_{vD65}$ (24.5)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.75\tau_{vD65}$ (39.1)	$\leq 0.75\tau_{vD65}$ (36.8)	16.8	16.6

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3)
	14.3	7.74	$\leq 20\%$ (Category SW4)
Relative Difference in Luminous Transmittance between filter %	5.84		$\leq 15\%$

END



TEST REPORT

Technical Report: (9925)092-0106

April 9, 2025

Date Received: April 2, 2025

Page 1 of 12

APPLICANT NAME Ivy
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Black	Item Name:	TYPHOON
Item No.:	143	P.O. No.:	/
Model No.:	/	Batch No.:	/
Age Grade:	Adult	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	April 2, 2025 to April 9, 2025	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

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Technical Report: **(9925)092-0106**

April 9, 2025

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REMARK

If there are questions or concerns on this report, please contact the following persons:

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BUREAU VERITAS

CONSUMER PRODUCTS SERVICE

SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

Kerwin

San Shen
General Manager



Technical Report: **(9925)092-0106**

April 9, 2025

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Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Black swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



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TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail



TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass



TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{VD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	59.4	59.0
Tint category	SW1	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{VD65}$ (2.97)	$\leq 0.05\tau_{VD65}$ (2.95)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.50\tau_{VD65}$ (29.7)	$\leq 0.50\tau_{VD65}$ (29.5)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.75\tau_{VD65}$ (44.6)	$\leq 0.75\tau_{VD65}$ (44.3)	14.4	14.7

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{VD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{VD65}	0.50 τ_{VD65}	0.75 τ_{VD65}	$\tau_{VD65} > 80\%$
SW1				$43\% < \tau_{VD65} \leq 80\%$
SW2		0.25 τ_{VD65}	0.50 τ_{VD65}	$18\% < \tau_{VD65} \leq 43\%$
SW3				$8\% < \tau_{VD65} \leq 18\%$
SW4				$3\% < \tau_{VD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	8.15	1.41	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	0.64		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.35	0.53

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	-0.03	-0.01	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.02		≤ 0.25
Astigmatic Power(m^{-1})	0.03	0.01	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.15	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.02	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30	M Pass
		Right ocular: > 30	

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$	Left ocular: M	Right ocular: M Pass
		Nasal $\geq 30^\circ$		
		Superior $\geq 30^\circ$		
		Inferior $\geq 30^\circ$		

TEST RESULTS

9.4: Resistance to fogging (optional)

Evaluation	Criteria		Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Left ocular: > 30s	M	Pass
		Right ocular: > 30s		

10.1: Leakage

Evaluation	Criteria			Result	Comments
Leakage	When tested in accordance with 11.1., the pressure shall not rise by more than 0.3 kPa after 10 s and 3.0 kPa after 20 s.	Pressure rose in 10s (Kpa)	Left ocular: 0.1	M	Pass
			Right ocular: 0.1		
		Pressure rose in 20s (Kpa)	Left ocular: 0.1	M	
			Right ocular: 0.1		

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6, the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Nosebridge Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass



TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear.	M	Pass

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- the position of the reference point when this is different from the one defined in this document;
- country of origin (made in ...);
- nominal value of luminous transmittance;
- transmittance requirements applicable to this product;
- base material of lenses and eyecup.

END



TEST REPORT

Technical Report: (9925)092-0105

April 9, 2025

Date Received: April 2, 2025

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APPLICANT NAME Ivy
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Black	Item Name:	VORTEX
Item No.:	144	P.O. No.:	/
Model No.:	/	Batch No.:	/
Age Grade:	Adult	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	April 2, 2025 to April 9, 2025	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

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April 9, 2025

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BUREAU VERITAS

CONSUMER PRODUCTS SERVICE

SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

Kerwin

San Shen
General Manager



Technical Report: **(9925)092-0105**
April 9, 2025
Page 3 of 12

Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Black swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



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April 9, 2025

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TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail

TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass



TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	39.1	40.1
Tint category	SW2	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (1.96)	$\leq 0.05\tau_{vD65}$ (2.01)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25\tau_{vD65}$ (9.78)	$\leq 0.25\tau_{vD65}$ (10.0)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50\tau_{vD65}$ (19.6)	$\leq 0.50\tau_{vD65}$ (20.1)	1.13	1.17

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	2.50	3.15	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	2.39		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.11	0.14

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	0.01	0.06	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.05		≤ 0.25
Astigmatic Power(m^{-1})	0.02	0.02	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.14	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.05	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30	M Pass
		Right ocular: > 30	

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$	Left ocular: M	Right ocular: M Pass
		Nasal $\geq 30^\circ$		
		Superior $\geq 30^\circ$		
		Inferior $\geq 30^\circ$		

TEST RESULTS

9.4: Resistance to fogging (optional)

Evaluation	Criteria		Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Left ocular: > 30s	M	Pass
		Right ocular: > 30s		

10.1: Leakage

Evaluation	Criteria			Result	Comments
Leakage	When tested in accordance with 11.1., the pressure shall not rise by more than 0.3 kPa after 10 s and 3.0 kPa after 20 s.	Pressure rose in 10s (Kpa)	Left ocular: 0.1	M	Pass
			Right ocular: 0.2		
		Pressure rose in 20s (Kpa)	Left ocular: 0.1	M	
			Right ocular: 0.3		

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6. the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Nosebridge Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass



TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear.	M	Pass

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement. Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- a) explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- b) the position of the reference point when this is different from the one defined in this document;
- c) country of origin (made in ...);
- d) nominal value of luminous transmittance;
- e) transmittance requirements applicable to this product;
- f) base material of lenses and eyecup.

END



TEST REPORT

Technical Report: (9925)092-0108

April 9, 2025

Date Received: April 2, 2025

Page 1 of 12

APPLICANT NAME Ivy
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Blue	Item Name:	CYFER
Item No.:	145	P.O. No.:	/
Model No.:	/	Batch No.:	/
Age Grade:	Adult	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	April 2, 2025 to April 9, 2025	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

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April 9, 2025

Page 2 of 12

REMARK

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BUREAU VERITAS

CONSUMER PRODUCTS SERVICE

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PREPARED
BY :

Kerwin

San Shen
General Manager



Technical Report: **(9925)092-0108**
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Photo of the Submitted Sample



Report Number
(9925)092-0108



TEST RESULTS

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Blue swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



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TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail



TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass

TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{VD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	58.5	58.0
Tint category	SW1	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{VD65}$ (2.93)	$\leq 0.05\tau_{VD65}$ (2.90)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA\ 380}$)	$\leq 0.50\tau_{VD65}$ (29.3)	$\leq 0.50\tau_{VD65}$ (29.0)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m\ 380-400}$)	$\leq 0.75\tau_{VD65}$ (43.9)	$\leq 0.75\tau_{VD65}$ (43.5)	17.7	17.4

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA\ 380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m\ 380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{VD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{VD65}	0.50 τ_{VD65}	0.75 τ_{VD65}	$\tau_{VD65} > 80\%$
SW1				$43\% < \tau_{VD65} \leq 80\%$
SW2		0.25 τ_{VD65}	0.50 τ_{VD65}	$18\% < \tau_{VD65} \leq 43\%$
SW3				$8\% < \tau_{VD65} \leq 18\%$
SW4				$3\% < \tau_{VD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	2.71	4.65	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	0.92		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.66	0.80

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m ⁻¹)	-0.04	-0.07	±0.18
Difference of spherical power between left and right filters (m ⁻¹)	0.03		≤ 0.25
Astigmatic Power(m ⁻¹)	0.04	0.03	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.08	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.01	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30	M Pass
		Right ocular: > 30	

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$	Left ocular: M	Right ocular: M Pass
		Nasal $\geq 30^\circ$		
		Superior $\geq 30^\circ$		
		Inferior $\geq 30^\circ$		

TEST RESULTS

9.4: Resistance to fogging (optional)

Evaluation	Criteria		Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Left ocular: > 30s	M	Pass
		Right ocular: > 30s		

10.1: Leakage

Evaluation	Criteria			Result	Comments
Leakage	When tested in accordance with 11.1., the pressure shall not rise by more than 0.3 kPa after 10 s and 3.0 kPa after 20 s.	Pressure rose in 10s (Kpa)	Left ocular: 0.1	M	Pass
			Right ocular: 0.1		
		Pressure rose in 20s (Kpa)	Left ocular: 0.1	M	
			Right ocular: 0.1		

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass



TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6, the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Nosebridge Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass



TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear.	M	Pass

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- a) explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- b) the position of the reference point when this is different from the one defined in this document;
- c) country of origin (made in ...);
- d) nominal value of luminous transmittance;
- e) transmittance requirements applicable to this product;
- f) base material of lenses and eyecup.

END



TEST REPORT

Technical Report: (9925)092-0101

April 9, 2025

Date Received: April 2, 2025

Page 1 of 12

APPLICANT NAME Ivy
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Red	Item Name:	NEW MASK
Item No.:	147	P.O. No.:	/
Model No.:	/	Batch No.:	/
Age Grade:	Adult	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	April 2, 2025 to April 9, 2025	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

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Technical Report: **(9925)092-0101**

April 9, 2025

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REMARK

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CONSUMER PRODUCTS SERVICE
SHEN'OU(WENZHOU)CO., LTD**

PREPARED
BY :

Kerwin

**San Shen
General Manager**



Technical Report: **(9925)092-0101**
April 9, 2025
Page 3 of 12

Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Red swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



Technical Report: (9925)092-0101

April 9, 2025

Page 5 of 12

TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail

TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass

TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{VD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	75.5	75.4
Tint category	SW1	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{VD65}$ (3.78)	$\leq 0.05\tau_{VD65}$ (3.77)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA\ 380}$)	$\leq 0.50\tau_{VD65}$ (37.8)	$\leq 0.50\tau_{VD65}$ (37.7)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m\ 380-400}$)	$\leq 0.75\tau_{VD65}$ (56.6)	$\leq 0.75\tau_{VD65}$ (56.6)	20.7	20.9

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA\ 380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m\ 380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{VD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{VD65}	0.50 τ_{VD65}	0.75 τ_{VD65}	$\tau_{VD65} > 80\%$
SW1				$43\% < \tau_{VD65} \leq 80\%$
SW2		0.25 τ_{VD65}	0.50 τ_{VD65}	$18\% < \tau_{VD65} \leq 43\%$
SW3				$8\% < \tau_{VD65} \leq 18\%$
SW4				$3\% < \tau_{VD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	6.15	4.55	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	0.17		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.25	0.12

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	-0.01	-0.01	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.00		≤ 0.25
Astigmatic Power(m^{-1})	0.01	0.01	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.47	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.01	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30	M Pass
		Right ocular: > 30	

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$	Left ocular: M	Right ocular: M Pass
		Nasal $\geq 30^\circ$		
		Superior $\geq 30^\circ$		
		Inferior $\geq 30^\circ$		

TEST RESULTS

9.4: Resistance to fogging (optional)

Evaluation	Criteria		Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Left ocular: > 30s	M	Pass
		Right ocular: > 30s		

10.1: Leakage

Evaluation	Criteria			Result	Comments
Leakage	When tested in accordance with 11.1., the pressure shall not rise by more than 0.3 kPa after 10 s and 3.0 kPa after 20 s.	Pressure rose in 10s (Kpa)	Left ocular: 0.1	M	Pass
			Right ocular: 0.1		
		Pressure rose in 20s (Kpa)	Left ocular: 0.2	M	
			Right ocular: 0.1		

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6. the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Nosebridge Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass



TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear.	M	Pass

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement. Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- a) explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- b) the position of the reference point when this is different from the one defined in this document;
- c) country of origin (made in ...);
- d) nominal value of luminous transmittance;
- e) transmittance requirements applicable to this product;
- f) base material of lenses and eyecup.

END

Test Report

Number: SHAH01733700

Applicant: YOUNG SPORTING GOODS(SUZHOU) CO.,LTD
NO.498 CHANGAN ROAD,WUJIANG
ECONOMIC & TECHNOLOGICAL
DEVELOPMENT ZONE, WUJIANG,
JIANGSU 215200, CHINA

Date: 17 Oct, 2024

Sample Description:

One (1) style of submitted sample said to be :

Item Name : Performance goggles Dynamix.
Item No. : 148# SLASH.
Supplier : YOUNG SPORTING GOODS(SUZHOU) CO.,LTD
GOLDEN LEMON CORPORATION.
Country Of Origin : China.

Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

Conclusion:

<u>Tested sample:</u>	<u>Requirement:</u>	<u>Result:</u>
Submitted samples	ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming. Excluding: - Clause 4.1 - Physiological compatibility	Pass

To be continued

Authorized By:
Intertek Testing Services Ltd. Zhejiang, Wenzhou Branch



Bobo Yao
Assistant General Manager



Test Report

Number: SHAH01733700

Tests Conducted

Requirements for Swimming Eyewear

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming.

Number of samples tested: Five (5) pairs.

Note:

- (1) Physiological compatibility
Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

Substances recommended for cleaning, maintenance or disinfection shall be known to be unlikely to have any adverse effect upon the wearer, when applied in accordance with the instructions given in the information to be supplied by the manufacturer.

Manufacturers/suppliers shall perform an appropriate risk analysis on potentially harmful substances contained in the eyewear that, when the eyewear is used under the conditions and for the purposes intended, the health (and safety) of the wearer shall not be compromised.

- (2) The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

Clause	Requirement	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	Note (1)
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	P
4.4	Lens material and surface quality	P
4.5	Headform (s)	Note (2)
4.6	Resistance to corrosion	NA
4.7	Retention by headband (sit and fit)	P
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	P



Test Report

Number: SHAH01733700

Tests Conducted

Clause	Requirement	Result
5.5.4	Antireflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription	NA
8	Mechanical strength	P
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory marking on swimming eyewear	P#1
12.3	Information to be supplied by the manufacturer with each eyewear	P#2
12.4	Additional information to be available from the manufacturer	#3

Abbreviation: P = Pass; NA = Not Applicable;

To be continued



Test Report

Number: SHAH01733700

Tests Conducted

Test data:

5.2 Transmittance and filter categories

Range	Left ocular (%)	Right ocular (%)	Tint category
380 - 780nm (τ_{vD65})	13.65	13.74	SW3

Range	Measured value (%)		Requirement (%)	
	Left ocular	Right ocular	Left	Right
280 - 315nm (τ_{SUVB})	0.00	0.00	$\leq 0.05 \tau_{vD65}$ (0.68)	$\leq 0.05 \tau_{vD65}$ (0.69)
315 - 380nm ($\tau_{SUVA380}$)	0.00	0.00	$\leq 0.25 \tau_{vD65}$ (3.41)	$\leq 0.25 \tau_{vD65}$ (3.43)
380 - 400nm ($\tau_{m380-400}$)	0.26	0.28	$\leq 0.50 \tau_{vD65}$ (6.82)	$\leq 0.50 \tau_{vD65}$ (6.87)

Requirement: (Table 1)

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA\ 380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance $\tau_{v\ D65}$ 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 $\tau_{v\ D65}$	0.50 $\tau_{v\ D65}$	0.75 $\tau_{v\ D65}$	$\tau_{v\ D65} > 80\%$
SW1				$43\% < \tau_{v\ D65} \leq 80\%$
SW2		0.25 $\tau_{v\ D65}$	0.50 $\tau_{v\ D65}$	$18\% < \tau_{v\ D65} \leq 43\%$
SW3				$8\% < \tau_{v\ D65} \leq 18\%$
SW4				$3\% < \tau_{v\ D65} \leq 8\%$
Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.				

5.5.3 a) Solar UV absorption

Range	Measured value (%)		Requirement (%)	
	Left ocular	Right ocular	Left ocular	Right ocular
280 - 380nm (τ_{SUV})	0.00	0.00	≤ 0.5	≤ 0.5

Note: It has been claimed that the filters are 100% UV-absorption.

5.3.1 Uniformity of luminous transmittance and transmittance matching

Uniformity	Left ocular (%)	Right ocular (%)	Requirement (%)
Variation within lens [relative to higher value]	4.08	2.85	≤ 15
Difference between lenses [relative to lighter filter]	0.63		≤ 15

6 Scattered light

Scattered light	Left ocular (%)	Right ocular (%)	Requirement (%)
	0.5	0.3	≤ 3

To be continued



Test Report

Number: SHAH01733700

Tests Conducted

7.1.1 Refractive power

Optical power	Left ocular	Right ocular	Requirement (m ⁻¹)
Spherical power (m ⁻¹)	+0.07	+0.04	± 0.18
Astigmatic power (m ⁻¹)	0.00	0.00	≤ 0.18
Difference of spherical power between left and right filters (m ⁻¹)	0.03		≤ 0.25

7.1.3 Prism imbalance

Prismatic power difference (cm/m)			Requirement (cm/m)
Horizontal	Base out	----	≤ 1.00
	Base in	0.10	≤ 0.25
Vertical		0.00	≤ 0.25

9.1 Minimum optical aperture

Optical aperture on the horizontal centreline	Left ocular (mm)	Right ocular (mm)	Requirement (mm)
	>30	>30	≥ 23 (Adult)

9.2 Field of view

Field of view	Left ocular (°)	Right ocular (°)	Requirement (°)
Temporal	>65	>65	≥ 60
Nasal	>35	>35	≥ 30
Superior	38	38	≥ 30
Inferior	>35	>35	≥ 30

9.4 Resistance to fogging

Time of remain free from fogging	Left ocular (s)	Right ocular (s)	Requirement (s)
	>35	>35	≥ 30

10.1 Leakage

Leakage	Left (Kpa)	Right (Kpa)	Requirement (Kpa)
Pressure rose in 10s	0.1	0.1	≤ 0.3
Pressure rose in 20s	0.2	0.2	≤ 3.0

10.4.2 Resistance to slipping

Mean displacement (mm)	<2.0	Requirement ≤ 6

To be continued



Test Report

Number: SHAH01733700

Tests Conducted

Remarks:

#1 – All information were reviewed by artwork.

#2 – All information were reviewed by artwork.

#3 – The following information shall be available from the manufacturer or supplier on request:

- a) Explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- b) The position of the reference point when this is different from the one defined in this document;
- c) Country of origin (made in ...);
- d) Nominal value of luminous transmittance;
- e) Transmittance requirements applicable to this product;
- f) Base material of lenses and eyecup.

Date sample received: Sep.4, 2024

Testing period: Sep.4, 2024 To Sep.13, 2024

To be continued

Test Report

Number: SHAH01733700

Tests Conducted



End of report

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TEST REPORT

Technical Report: (9925)092-0098

April 9, 2025

Date Received: April 2, 2025

Page 1 of 13

APPLICANT NAME Ivy
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Black/silver, Black/gold	Item Name:	Edge Racing Goggles
Item No.:	149	P.O. No.:	/
Model No.:	/	Batch No.:	/
Age Grade:	Adult	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	April 2, 2025 to April 9, 2025	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

BUREAU VERITAS
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Technical Report: (9925)092-0098

April 9, 2025

Page 2 of 13

REMARK

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BUREAU VERITAS
CONSUMER PRODUCTS SERVICE
SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

Kerwin

San Shen
General Manager

Photo of the Submitted Sample



TEST RESULTS

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Black/silver swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P

TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail

TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass

TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{VD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	14.0	14.2
Tint category	SW3	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{VD65}$ (0.70)	$\leq 0.05\tau_{VD65}$ (0.71)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25\tau_{VD65}$ (3.50)	$\leq 0.25\tau_{VD65}$ (3.55)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50\tau_{VD65}$ (7.00)	$\leq 0.50\tau_{VD65}$ (7.10)	0.42	0.41

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{VD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{VD65}	0.50 τ_{VD65}	0.75 τ_{VD65}	$\tau_{VD65} > 80\%$
SW1				$43\% < \tau_{VD65} \leq 80\%$
SW2		0.25 τ_{VD65}	0.50 τ_{VD65}	$18\% < \tau_{VD65} \leq 43\%$
SW3				$8\% < \tau_{VD65} \leq 18\%$
SW4				$3\% < \tau_{VD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	2.65	0.71	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	1.55		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.16	0.22

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	0.05	0.05	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.00		≤ 0.25
Astigmatic Power(m^{-1})	0.02	0.03	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.33	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.04	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses. Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.	M	Pass

9.1.1: Recreational and competitive use

Evaluation	Criteria		Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30	M	Pass
		Right ocular: > 30		

9.2: Field of view

Evaluation	Criteria		Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^{\circ}$	Left ocular: M	Right ocular: M	Pass
		Nasal $\geq 30^{\circ}$			
		Superior $\geq 30^{\circ}$			
		Inferior $\geq 30^{\circ}$			

TEST RESULTS

9.4: Resistance to fogging (optional)

Evaluation	Criteria		Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Left ocular: > 30s	M	Pass
		Right ocular: > 30s		

10.1: Leakage

Evaluation	Criteria			Result	Comments
Leakage	When tested in accordance with 11.1., the pressure shall not rise by more than 0.3 kPa after 10 s and 3.0 kPa after 20 s.	Pressure rose in 10s (Kpa)	Left ocular: 0.2	M	Pass
			Right ocular: 0.3		
		Pressure rose in 20s (Kpa)	Left ocular: 0.5	M	
			Right ocular: 0.6		

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6. the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Nosebridge Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass

TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear.	M	Pass

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- the position of the reference point when this is different from the one defined in this document;
- country of origin (made in ...);
- nominal value of luminous transmittance;
- transmittance requirements applicable to this product;
- base material of lenses and eyecup.

TEST RESULTS

Test samples: B Black/gold swimming goggles

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	15.2	16.8
Tint category	SW3	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (0.76)	$\leq 0.05\tau_{vD65}$ (0.84)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25\tau_{vD65}$ (3.80)	$\leq 0.25\tau_{vD65}$ (4.20)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50\tau_{vD65}$ (7.60)	$\leq 0.50\tau_{vD65}$ (8.40)	1.39	2.18

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				43% $< \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	18% $< \tau_{vD65} \leq 43\%$
SW3				8% $< \tau_{vD65} \leq 18\%$
SW4				3% $< \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3)
	1.17	2.08	$\leq 20\%$ (Category SW4)
Relative Difference in Luminous Transmittance between filter %	9.71		$\leq 15\%$

END

Test Report

Number: SHAH01551852

Applicant: YOUNG SPORTING GOODS(SUZHOU) CO.,LTD
NO.498 CHANGAN ROAD,WUJIANG
ECONOMIC & TECHNOLOGICAL
DEVELOPMENT ZONE, WUJIANG,
JIANGSU 215200, CHINA

Date: 28 Mar, 2023

Sample Description:

One (1) style of submitted sample said to be :

Item Name : FLASH/C-BLACK BLACK BLACK.
Item No. : FLASH C-BLACK.
P.O.No. : 11059.
Buyer : IGA COMPANY S.A.S.
Supplier : YOUNG SPORTING GOODS(SUZHOU) CO.,LTD.
Goods Exported To : Italy.
Country Of Origin : China.

Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

Conclusion:

<u>Tested sample:</u>	<u>Requirement:</u>	<u>Result:</u>
Submitted samples	ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming Excluding: - Clause 4.1 - Physiological compatibility - Clause 12.3 - Information to be supplied by the manufacturer with each eyewear - Clause 12.4 - Additional information to be available from the manufacturer	Pass

To be continued

Authorized By:
Intertek Testing Services Ltd. Zhejiang, Wenzhou Branch



Peter Chen
General Manager



Test Report

Number: SHAH01551852

Tests Conducted

Requirements for Swimming Eyewear

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming.

Number of samples tested: Five (5) pairs.

Note:

- (1) The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.
- (2) Physiological compatibility
Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

Substances recommended for cleaning, maintenance or disinfection shall be known to be unlikely to have any adverse effect upon the wearer, when applied in accordance with the instructions given in the information to be supplied by the manufacturer.

Manufacturers/suppliers shall perform an appropriate risk analysis on potentially harmful substances contained in the eyewear that, when the eyewear is used under the conditions and for the purposes intended, the health (and safety) of the wearer shall not be compromised.

Clause	Requirement	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	Note (2)
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	P
4.4	Lens material and surface quality	P
4.6	Resistance to corrosion	NA
4.7	Retention by headband (sit and fit)	P
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Antireflective coated lenses (optional)	NA (No claim)



Test Report

Number: SHAH01551852

Tests Conducted

Clause	Requirement	Result
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription	NA
8	Mechanical strength	P
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	NA (No claim)
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory marking on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	#1
12.4	Additional information to be available from the manufacturer	#2

Abbreviation: P = Pass; NA = Not Applicable.

To be continued



Test Report

Number: SHAH01551852

Tests Conducted

Test data:

5.2 Transmittance and filter categories

Range	Left ocular (%)	Right ocular (%)	Tint category
380 - 780nm (τ_{vD65})	34.62	36.22	SW2

Range	Measured value (%)		Requirement (%)	
	Left ocular	Right ocular	Left	Right
280 - 315nm (τ_{SUVB})	0.00	0.00	$\leq 0.05 \tau_{vD65}$ (1.73)	$\leq 0.05 \tau_{vD65}$ (1.81)
315 - 380nm ($\tau_{SUVA380}$)	0.00	0.00	$\leq 0.25 \tau_{vD65}$ (8.65)	$\leq 0.25 \tau_{vD65}$ (9.06)
380 - 400nm ($\tau_{m380-400}$)	12.38	12.65	$\leq 0.50 \tau_{vD65}$ (17.31)	$\leq 0.50 \tau_{vD65}$ (18.11)

Requirement: (Table 1)

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1 Uniformity of luminous transmittance and transmittance matching

Uniformity	Left ocular (%)	Right ocular (%)	Requirement (%)
Variation within lens [relative to higher value]	3.80	2.09	≤ 15
Difference between lenses [relative to lighter filter]	4.43		≤ 15

6 Scattered light

Scattered light	Left ocular (%)	Right ocular (%)	Requirement (%)
	0.4	0.4	≤ 3

7.1.1 Refractive power

Optical power	Left ocular (m^{-1})	Right ocular (m^{-1})	Requirement (m^{-1})
Spherical power	+0.04	+0.03	± 0.18
Astigmatic power	0.00	0.00	≤ 0.18
Difference of spherical power between left and right filters	0.01		≤ 0.25

To be continued



Test Report

Number: SHAH01551852

Tests Conducted

7.1.3 Prism imbalance

Prismatic power difference (cm/m)			Requirement (cm/m)
Horizontal	Base out	0.19	≤ 1.00
	Base in	----	≤ 0.25
Vertical		0.02	≤ 0.25

9.1 Minimum optical aperture

Optical aperture on the horizontal centreline	Left ocular (mm)	Right ocular (mm)	Requirement (mm)
	>30	>30	≥ 23 (Adult)

9.2 Field of view

Field of view	Left ocular (°)	Right ocular (°)	Requirement (°)
Temporal	>65	>65	≥ 60
Nasal	>35	>35	≥ 30
Superior	>35	>35	≥ 30
Inferior	>35	>35	≥ 30

10.1 Leakage

Leakage	Left (Kpa)	Right (Kpa)	Requirement (Kpa)
Pressure rose in 10s	0.0	0.0	≤ 0.3
Pressure rose in 20s	0.0	0.0	≤ 3.0

10.4.2 Resistance to slipping

Mean displacement (mm)	<2.0	Requirement ≤ 6

To be continued



Test Report

Number: SHAH01551852

Tests Conducted

Remarks:

#1 – The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear.

This information shall include:

- a) Name and address of the manufacturer or supplier;
- b) Identification of model;
- c) The applicable headform(s) and size(s);
- d) Type of lens if photochromic and/or polarizing;
- e) The tint category (in both the faded and darkened states for photochromic lenses), preferably on the frame, or on the lens;
- f) A description of the tint category in form of the designation as given table;
- g) The markings and information as required in ISO 12312-1:2013, 12.1 d) to j);
- h) The number of this document (ISO 18527-3);
- i) Instructions for care and cleaning; warning(s) about cleaning or other products that might damage the eyewear; list of damaging products not suitable for cleaning;
- j) Instructions on how to assemble the eyewear, if applicable, e.g. if the water seal and eyecups or nosebridge strap are provided separately, the method of attachment;
- k) Adjustment of headband and nosebridge strap;
- l) Instructions on how to put on, fit and remove the swimming eyewear;
- m) An eye safety warning: "WARNING: Do not pull eyecups away from face as they may spring back and cause eye damage.";
- n) A statement that the swimming eyewear are 'FOR SURFACE SWIMMING ONLY';
- o) If the eyewear does not conform with 9.1.1, the statement "FOR SPECIALIST COMPETITIVE USE ONLY";
- p) If the luminous transmittance is less than 8%, a statement that the swimming eyewear is suitable for outdoor use in bright environments only.

#2 – The following information shall be available from the manufacturer or supplier on request:

- a) Explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- b) The position of the reference point when this is different from the one defined in this document;
- c) Country of origin (made in ...);
- d) Nominal value of luminous transmittance;
- e) Transmittance requirements applicable to this product;
- f) Base material of lenses and eyecup.

Date sample received: Mar.16, 2023

Testing period: Mar.16, 2023 To Mar .20, 2023

To be continued



Test Report

Number: SHAH01551852

Tests Conducted



End of report

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TEST REPORT

Technical Report: (9925)092-0103

April 9, 2025

Date Received: April 2, 2025

Page 1 of 12

APPLICANT NAME Ivy
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Black/blue	Item Name:	INFINI
Item No.:	151	P.O. No.:	/
Model No.:	/	Batch No.:	/
Age Grade:	Adult	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	April 2, 2025 to April 9, 2025	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

BUREAU VERITAS
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April 9, 2025

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REMARK

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BUREAU VERITAS

CONSUMER PRODUCTS SERVICE

SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

Kerwin

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General Manager



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Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Black/blue swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



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TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail



TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass

TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{VD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	9.79	10.6
Tint category	SW3	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{VD65}$ (0.49)	$\leq 0.05\tau_{VD65}$ (0.53)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25\tau_{VD65}$ (2.45)	$\leq 0.25\tau_{VD65}$ (2.65)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50\tau_{VD65}$ (4.90)	$\leq 0.50\tau_{VD65}$ (5.30)	0.31	0.29

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{VD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{VD65}	0.50 τ_{VD65}	0.75 τ_{VD65}	$\tau_{VD65} > 80\%$
SW1				$43\% < \tau_{VD65} \leq 80\%$
SW2		0.25 τ_{VD65}	0.50 τ_{VD65}	$18\% < \tau_{VD65} \leq 43\%$
SW3				$8\% < \tau_{VD65} \leq 18\%$
SW4				$3\% < \tau_{VD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	1.42	9.69	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	7.20		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.25	0.34

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	-0.01	-0.10	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.09		≤ 0.25
Astigmatic Power(m^{-1})	0.01	0.03	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.19	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.03	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30	M Pass
		Right ocular: > 30	

9.2: Field of view

Evaluation	Criteria		Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^{\circ}$	Left ocular: M	Right ocular: M	Pass
		Nasal $\geq 30^{\circ}$			
		Superior $\geq 30^{\circ}$			
		Inferior $\geq 30^{\circ}$			

TEST RESULTS

9.4: Resistance to fogging (optional)

Evaluation	Criteria		Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Left ocular: > 30s	M	Pass
		Right ocular: > 30s		

10.1: Leakage

Evaluation	Criteria			Result	Comments
Leakage	When tested in accordance with 11.1., the pressure shall not rise by more than 0.3 kPa after 10 s and 3.0 kPa after 20 s.	Pressure rose in 10s (Kpa)	Left ocular: 0.1	M	Pass
			Right ocular: 0.2		
		Pressure rose in 20s (Kpa)	Left ocular: 0.1	M	
			Right ocular: 0.2		

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6, the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Nosebridge Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass



TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear.	M	Pass

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- the position of the reference point when this is different from the one defined in this document;
- country of origin (made in ...);
- nominal value of luminous transmittance;
- transmittance requirements applicable to this product;
- base material of lenses and eyecup.

END



TEST REPORT

Technical Report: (9925)092-0104

April 9, 2025

Date Received: April 2, 2025

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APPLICANT NAME Ivy
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color: Blue/red gold, Blue, Black/red
Item Name: Performance Goggles Ultra
Item No.: 152
P.O. No.: /
Model No.: /
Batch No.: /
Age Grade: Adult
Product End Use: /
Vendor: /
Brand: /
Manufacturer: /
Supplier: YOUNG SPORTING GOODS (SUZHOU) CO., LTD
GOLDEN LEMON CORPORATION.
Buyer: /
Country of Origin: CHINA
Test Period: April 2, 2025 to April 9, 2025
Country of Destination: /
Fiber Content: /
Care Instruction: /

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

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April 9, 2025

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BUREAU VERITAS
CONSUMER PRODUCTS SERVICE
SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

Kerwin

San Shen
General Manager



Technical Report: (9925)092-0104
April 9, 2025
Page 3 of 14

Photo of the Submitted Sample



TEST RESULTS

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Blue/red gold swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P

TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail

TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass

TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	33.3	29.2
Tint category	SW2	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (1.67)	$\leq 0.05\tau_{vD65}$ (1.46)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25\tau_{vD65}$ (8.33)	$\leq 0.25\tau_{vD65}$ (7.30)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50\tau_{vD65}$ (16.7)	$\leq 0.50\tau_{vD65}$ (14.6)	0.95	1.00

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	2.32	4.07	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	12.3		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.30	0.34

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	0.01	0.04	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.03		≤ 0.25
Astigmatic Power(m^{-1})	0.02	0.04	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.11	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.02	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30	M Pass
		Right ocular: > 30	

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$	Left ocular: M	Right ocular: M Pass
		Nasal $\geq 30^\circ$		
		Superior $\geq 30^\circ$		
		Inferior $\geq 30^\circ$		

TEST RESULTS

9.4: Resistance to fogging (optional)

Evaluation	Criteria		Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Left ocular: > 30s	M	Pass
		Right ocular: > 30s		

10.1: Leakage

Evaluation	Criteria			Result	Comments
Leakage	When tested in accordance with 11.1., the pressure shall not rise by more than 0.3 kPa after 10 s and 3.0 kPa after 20 s.	Pressure rose in 10s (Kpa)	Left ocular: 0.2	M	Pass
			Right ocular: 0.1		
		Pressure rose in 20s (Kpa)	Left ocular: 0.3	M	
			Right ocular: 0.1		

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6. the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Nosebridge Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass

TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear.	M	Pass

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- the position of the reference point when this is different from the one defined in this document;
- country of origin (made in ...);
- nominal value of luminous transmittance;
- transmittance requirements applicable to this product;
- base material of lenses and eyecup.

TEST RESULTS

Test samples: B Blue swimming goggles

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	59.3	60.1
Tint category	SW1	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (2.97)	$\leq 0.05\tau_{vD65}$ (3.01)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.50\tau_{vD65}$ (29.7)	$\leq 0.50\tau_{vD65}$ (30.1)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.75\tau_{vD65}$ (44.5)	$\leq 0.75\tau_{vD65}$ (45.1)	1.23	1.20

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				43% < $\tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	18% < $\tau_{vD65} \leq 43\%$
SW3				8% < $\tau_{vD65} \leq 18\%$
SW4				3% < $\tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3)
	0.94	2.01	$\leq 20\%$ (Category SW4)
Relative Difference in Luminous Transmittance between filter %	1.28		$\leq 15\%$

TEST RESULTS

Test samples: C Black/red swimming goggles

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	28.8	29.3
Tint category	SW2	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (1.44)	$\leq 0.05\tau_{vD65}$ (1.47)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25\tau_{vD65}$ (7.20)	$\leq 0.25\tau_{vD65}$ (7.33)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50\tau_{vD65}$ (14.4)	$\leq 0.50\tau_{vD65}$ (14.7)	0.60	0.64

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3)
	4.79	3.35	$\leq 20\%$ (Category SW4)
Relative Difference in Luminous Transmittance between filter %	1.54		$\leq 15\%$

END

Test Report

Number: SHAH01668139

Applicant: YOUNG SPORTING GOODS(SUZHOU) CO.,LTD
NO.498 CHANGAN ROAD,WUJIANG
ECONOMIC & TECHNOLOGICAL
DEVELOPMENT ZONE, WUJIANG,
JIANGSU 215200, CHINA

Date: 25 Mar, 2024

Sample Description:

One (1) style of submitted sample said to be :

Item Name : Swimming Goggle.
Item No. : SQUID/A -BLUE BLUE GREEN.
Supplier : YOUNG SPORTING GOODS(SUZHOU) CO.,LTD.
Goods Exported To : Italy.
Country Of Origin : China.

Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

Conclusion:

<u>Tested sample:</u>	<u>Requirement:</u>	<u>Result:</u>
Submitted samples	ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming Excluding: - Clause 4.1 - Physiological compatibility	Pass

To be continued

Authorized By:
Intertek Testing Services Ltd. Zhejiang, Wenzhou Branch



Bobo Yao
Assistant General Manager



Test Report

Number: SHAH01668139

Tests Conducted

Requirements for Swimming Eyewear

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming.

Number of samples tested: Five (5) pairs.

Note:

- (1) Physiological compatibility
Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

Substances recommended for cleaning, maintenance or disinfection shall be known to be unlikely to have any adverse effect upon the wearer, when applied in accordance with the instructions given in the information to be supplied by the manufacturer.

Manufacturers/suppliers shall perform an appropriate risk analysis on potentially harmful substances contained in the eyewear that, when the eyewear is used under the conditions and for the purposes intended, the health (and safety) of the wearer shall not be compromised.

- (2) The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

Clause	Requirement	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	Note (1)
4.2	Construction and adjustment	P
4.4	Lens material and surface quality	P
4.5	Headform (s)	Note (2)
4.6	Resistance to corrosion	NA
4.7	Retention by headband (sit and fit)	P
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Antireflective coated lenses (optional)	NA (No claim)



Test Report

Number: SHAH01668139

Tests Conducted

Clause	Requirement	Result
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription	NA
8	Mechanical strength	P
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory marking on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#1

Abbreviation: P = Pass; NA = Not Applicable.

To be continued



Test Report

Number: SHAH01668139

Tests Conducted

Test data:

5.2 Transmittance and filter categories

Range	Left ocular (%)	Right ocular (%)	Tint category
380 - 780nm (τ_{vD65})	66.59	67.12	SW1

Range	Measured value (%)		Requirement (%)	
	Left ocular	Right ocular	Left	Right
280 - 315nm (τ_{SUVB})	0.01	0.01	$\leq 0.05 \tau_{vD65}$ (3.33)	$\leq 0.05 \tau_{vD65}$ (3.36)
315 - 380nm ($\tau_{SUVA380}$)	0.02	0.02	$\leq 0.50 \tau_{vD65}$ (33.29)	$\leq 0.50 \tau_{vD65}$ (33.56)
380 - 400nm ($\tau_{m380-400}$)	2.25	2.32	$\leq 0.75 \tau_{vD65}$ (49.94)	$\leq 0.75 \tau_{vD65}$ (50.34)

Requirement: (Table 1)

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1 Uniformity of luminous transmittance and transmittance matching

Uniformity	Left ocular (%)	Right ocular (%)	Requirement (%)
Variation within lens [relative to higher value]	1.65	1.13	≤ 15
Difference between lenses [relative to lighter filter]	0.79		≤ 15

6 Scattered light

Scattered light	Left ocular (%)	Right ocular (%)	Requirement (%)
	0.5	0.5	≤ 3

To be continued



Test Report

Number: SHAH01668139

Tests Conducted

7.1.1 Refractive power

Optical power	Left ocular (m ⁻¹)	Right ocular (m ⁻¹)	Requirement (m ⁻¹)
Spherical power	-0.04	-0.03	± 0.18
Astigmatic power	0.00	0.00	≤ 0.18
Difference of spherical power between left and right filters	0.01		≤ 0.25

7.1.3 Prism imbalance

Prismatic power difference (cm/m)			Requirement (cm/m)
Horizontal	Base out	0.26	≤ 1.00
	Base in	----	≤ 0.25
Vertical	0.01		≤ 0.25

9.1 Minimum optical aperture

Optical aperture on the horizontal centreline	Left ocular (mm)	Right ocular (mm)	Requirement (mm)
	>30	>30	≥ 23 (adult)

9.2 Field of view

Field of view	Left ocular (°)	Right ocular (°)	Requirement (°)
Temporal	>65	>65	≥ 60
Nasal	>35	>35	≥ 30
Superior	>35	>35	≥ 30
Inferior	>35	>35	≥ 30

9.4 Resistance to fogging

Time of remain free from fogging	Left ocular (s)	Right ocular (s)	Requirement (s)
	>35	>35	≥ 30

10.1 Leakage

Leakage	Left (Kpa)	Right (Kpa)	Requirement (Kpa)
Pressure rose in 10s	0.0	0.0	≤ 0.3
Pressure rose in 20s	0.0	0.0	≤ 3.0

10.4.2 Resistance to slipping

Mean displacement (mm)	< 2.0	Requirement ≤ 6

To be continued



Test Report

Number: SHAH01668139

Tests Conducted

Remarks:

#1 – The following information shall be available from the manufacturer or supplier on request:

- a) Explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- b) The position of the reference point when this is different from the one defined in this document;
- c) Country of origin (made in ...);
- d) Nominal value of luminous transmittance;
- e) Transmittance requirements applicable to this product;
- f) Base material of lenses and eyecup.

Date sample received: Mar.18, 2024

Testing period: Mar.18, 2024 To Mar.22, 2024

To be continued



Test Report

Number: SHAH01668139

Tests Conducted



End of report

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TEST REPORT

Technical Report: (9925)092-0102

April 9, 2025

Date Received: April 2, 2025

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APPLICANT NAME Ivy
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Black/silver	Item Name:	VIDA
Item No.:	154	P.O. No.:	/
Model No.:	/	Batch No.:	/
Age Grade:	Adult	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	April 2, 2025 to April 9, 2025	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

BUREAU VERITAS
Consumer Products Services Shen'ou (Wenzhou) Co., Ltd.
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Technology Park, No.27 Nanhu Road, Ouhai District,
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Technical Report: **(9925)092-0102**

April 9, 2025

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REMARK

If there are questions or concerns on this report, please contact the following persons:

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BUREAU VERITAS

CONSUMER PRODUCTS SERVICE

SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

Kerwin

San Shen
General Manager



Technical Report: **(9925)092-0102**
April 9, 2025
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Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Black/silver swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



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April 9, 2025

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TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail



TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass

TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{VD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	10.6	11.2
Tint category	SW3	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{VD65}$ (0.53)	$\leq 0.05\tau_{VD65}$ (0.56)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25\tau_{VD65}$ (2.65)	$\leq 0.25\tau_{VD65}$ (2.80)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50\tau_{VD65}$ (5.30)	$\leq 0.50\tau_{VD65}$ (5.60)	0.22	0.23

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{VD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{VD65}	0.50 τ_{VD65}	0.75 τ_{VD65}	$\tau_{VD65} > 80\%$
SW1				$43\% < \tau_{VD65} \leq 80\%$
SW2		0.25 τ_{VD65}	0.50 τ_{VD65}	$18\% < \tau_{VD65} \leq 43\%$
SW3				$8\% < \tau_{VD65} \leq 18\%$
SW4				$3\% < \tau_{VD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	4.40	5.26	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	5.35		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.30	0.22

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	-0.07	-0.07	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.00		≤ 0.25
Astigmatic Power(m^{-1})	0.05	0.04	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.07	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.01	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30	M Pass
		Right ocular: > 30	

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$	Left ocular: M	Right ocular: M Pass
		Nasal $\geq 30^\circ$		
		Superior $\geq 30^\circ$		
		Inferior $\geq 30^\circ$		

TEST RESULTS

9.4: Resistance to fogging (optional)

Evaluation	Criteria		Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Left ocular: > 30s	M	Pass
		Right ocular: > 30s		

10.1: Leakage

Evaluation	Criteria			Result	Comments
Leakage	When tested in accordance with 11.1., the pressure shall not rise by more than 0.3 kPa after 10 s and 3.0 kPa after 20 s.	Pressure rose in 10s (Kpa)	Left ocular: 0.1	M	Pass
			Right ocular: 0.1		
		Pressure rose in 20s (Kpa)	Left ocular: 0.1	M	
			Right ocular: 0.2		

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6. the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Nosebridge Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass



TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear.	M	Pass

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- a) explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- b) the position of the reference point when this is different from the one defined in this document;
- c) country of origin (made in ...);
- d) nominal value of luminous transmittance;
- e) transmittance requirements applicable to this product;
- f) base material of lenses and eyecup.

END

TEST REPORT

Technical Report: (9925)092-0100

April 16, 2025

Date Received: April 2, 2025

Page 1 of 14

APPLICANT NAME Ivy
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Black/silver, Blue, Black/purple	Item Name:	Performance Goggles Alpha
Item No.:	155	P.O. No.:	/
Model Name:	Venom	Batch No.:	/
Age Grade:	Adult	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	April 2, 2025 to April 16, 2025	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

BUREAU VERITAS
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REMARK

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BUREAU VERITAS
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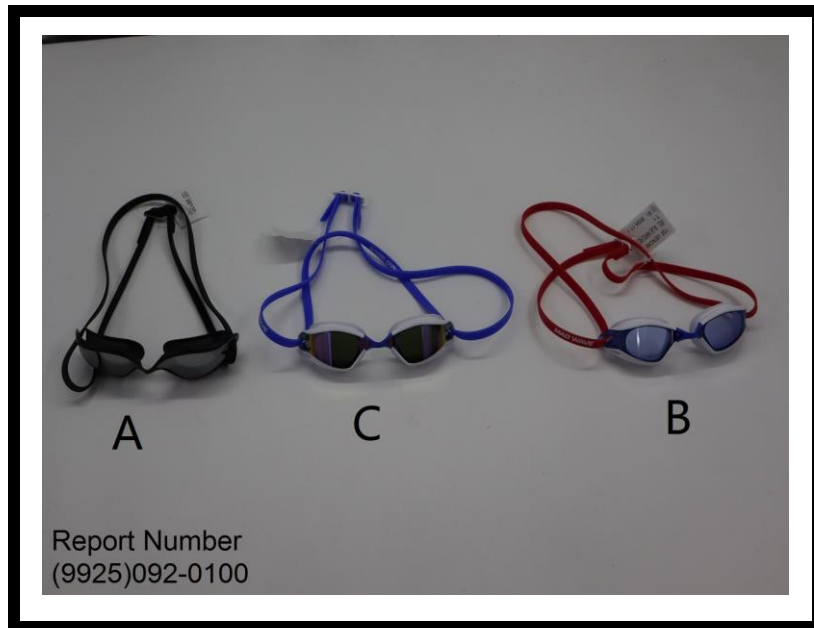


PREPARED
BY :

Kerwin

San Shen
General Manager

Photo of the Submitted Sample



TEST RESULTS

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Black/silver swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P

TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail

TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass

TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	11.7	12.1
Tint category	SW3	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (0.59)	$\leq 0.05\tau_{vD65}$ (0.61)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25\tau_{vD65}$ (2.93)	$\leq 0.25\tau_{vD65}$ (3.03)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50\tau_{vD65}$ (5.85)	$\leq 0.50\tau_{vD65}$ (6.05)	0.68	0.49

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	2.17	0.58	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	2.73		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.18	0.13

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	-0.05	-0.06	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.01		≤ 0.25
Astigmatic Power(m^{-1})	0.02	0.01	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.01	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.01	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30	M Pass
		Right ocular: > 30	

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$	Left ocular: M	Right ocular: M Pass
		Nasal $\geq 30^\circ$		
		Superior $\geq 30^\circ$		
		Inferior $\geq 30^\circ$		

TEST RESULTS

9.4: Resistance to fogging (optional)

Evaluation	Criteria		Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Left ocular: > 30s	M	Pass
		Right ocular: > 30s		

10.1: Leakage

Evaluation	Criteria			Result	Comments
Leakage	When tested in accordance with 11.1., the pressure shall not rise by more than 0.3 kPa after 10 s and 3.0 kPa after 20 s.	Pressure rose in 10s (Kpa)	Left ocular: 0.1	M	Pass
			Right ocular: 0.1		
		Pressure rose in 20s (Kpa)	Left ocular: 0.1	M	
			Right ocular: 0.1		

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6, the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Nosebridge Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass

TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear.	M	Pass

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- the position of the reference point when this is different from the one defined in this document;
- country of origin (made in ...);
- nominal value of luminous transmittance;
- transmittance requirements applicable to this product;
- base material of lenses and eyecup.

TEST RESULTS

Test samples: B Blue swimming goggles

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	50.8	53.7
Tint category	SW1	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (2.54)	$\leq 0.05\tau_{vD65}$ (2.69)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.50\tau_{vD65}$ (25.4)	$\leq 0.50\tau_{vD65}$ (26.9)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.75\tau_{vD65}$ (38.1)	$\leq 0.75\tau_{vD65}$ (40.3)	1.17	1.54

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3)
	0.47	2.22	$\leq 20\%$ (Category SW4)
Relative Difference in Luminous Transmittance between filter %	5.43		$\leq 15\%$

TEST RESULTS

Test samples: C Black/purple swimming goggles

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	12.3	12.0
Tint category	SW3	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (0.62)	$\leq 0.05\tau_{vD65}$ (0.60)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25\tau_{vD65}$ (3.08)	$\leq 0.25\tau_{vD65}$ (3.00)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50\tau_{vD65}$ (6.15)	$\leq 0.50\tau_{vD65}$ (6.00)	0.16	0.16

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3)
	1.85	1.73	$\leq 20\%$ (Category SW4)
Relative Difference in Luminous Transmittance between filter %	2.43		$\leq 15\%$

END



TEST REPORT

Technical Report: (9926)082-0133

March 28, 2026

Date Received: March 23, 2026

Page 1 of 13

APPLICANT NAME Zhang Xiaoping
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Black #111	Item Name:	BEAMS
Item No.:	156	P.O. No.:	/
Model Name:	/	Batch No.:	/
Age Grade:	/	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	March 23, 2026 to March 28, 2026	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020/A1:2025 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

BUREAU VERITAS
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Technical Report: **(9926)082-0133**

March 28, 2026

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REMARK

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BUREAU VERITAS
CONSUMER PRODUCTS SERVICE
SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

Kerwin

San Shen
General Manager



Technical Report: **(9926)082-0133**
March 28, 2026
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Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020/A1:2025 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Black swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



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TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	P
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail

TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass

TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	34.2	34.0
Tint category	SW2	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05 \tau_{vD65}$ (1.71)	$\leq 0.05 \tau_{vD65}$ (1.70)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25 \tau_{vD65}$ (8.55)	$\leq 0.25 \tau_{vD65}$ (8.50)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50 \tau_{vD65}$ (17.1)	$\leq 0.50 \tau_{vD65}$ (17.0)	1.09	1.08

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	0.50	0.64	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	0.67		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.10	0.19

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	0.03	0.05	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.02		≤ 0.25
Astigmatic Power(m^{-1})	0.01	0.05	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.08	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.01	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses. Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.	M	Pass

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30 Right ocular: > 30 M	Pass

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$ Nasal $\geq 30^\circ$ Superior $\geq 30^\circ$ Inferior $\geq 30^\circ$	Left ocular: M	Right ocular: M Pass

TEST RESULTS

9.3: Temporal flange lenses

Evaluation	Criteria	Result	Comments
Temporal flange lenses	Across the length of the optical aperture as defined in 9.1, temporal flange lenses shall be flat or have a shallow uniform curve.	M	Pass
	Across the junction with the temporal flange, the thickness of the lens shall remain substantially uniform across the entire surface to avoid changes in focal power occurring. The curvature angle or arc of the curved section of the lens shall remain uniform without angular irregularities.	M	
	The angle of the temporal flange to the optical aperture shall not exceed an angle of 60 °.	M	

9.4: Resistance to fogging (optional)

Evaluation	Criteria	Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Ocular: > 40s M	Pass

10.1: Leakage

Evaluation	Criteria	Result	Comments
Leakage	When tested in accordance with 11.1, no ink colouration shall appear on the white absorbent paper after 1 h.	Left ocular M	Pass
		Right ocular M	

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6. the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass

TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear. a) Name and address of the manufacturer or supplier; b) Identification of model; c) The applicable headform(s) and size(s); d) Type of lens if photochromic and/or polarizing; e) The tint category (in both the faded and darkened states for photochromic lenses), preferably on the frame, or on the lens; f) A description of the tint category in form of the designation as given table; g) The markings and information as required in ISO 12312-1:2013, 12.1 d) to j); h) The number of this document (ISO 18527-3); i) Instructions for care and cleaning; warning(s) about cleaning or other products that might damage the eyewear; list of damaging products not suitable for cleaning; j) Instructions on how to assemble the eyewear, if applicable, e.g. if the water seal and eyecups or nosebridge strap are provided separately, the method of attachment; k) Adjustment of headband and nosebridge strap; l) Instructions on how to put on, fit and remove the swimming eyewear; m) An eye safety warning: "WARNING: Do not pull eyecups away from face as they may spring back and cause eye damage."; n) A statement that the swimming eyewear are 'FOR SURFACE SWIMMING ONLY'; o) If the eyewear does not conform with 9.1.1, the statement "FOR SPECIALIST COMPETITIVE USE ONLY"; p) If the luminous transmittance is less than 8%, a statement that the swimming eyewear is suitable for outdoor use in bright environments only.	M	Pass



TEST RESULTS

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- a) explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- b) the position of the reference point when this is different from the one defined in this document;
- c) country of origin (made in ...);
- d) nominal value of luminous transmittance;
- e) transmittance requirements applicable to this product;
- f) base material of lenses and eyecup.

END



TEST REPORT

Technical Report: (9926)082-0136

March 28, 2026

Date Received: March 23, 2026

Page 1 of 13

APPLICANT NAME Zhang Xiaoping
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Red #31 Purple	Item Name:	BLADE
Item No.:	157	P.O. No.:	/
Model Name:	/	Batch No.:	/
Age Grade:	/	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	March 23, 2026 to March 28, 2026	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020/A1:2025 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

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Technical Report: **(9926)082-0136**

March 28, 2026

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REMARK

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BUREAU VERITAS
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PREPARED
BY :

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San Shen
General Manager



Technical Report: **(9926)082-0136**
March 28, 2026
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Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020/A1:2025 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Purple swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



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March 28, 2026

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TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	P
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail

TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass



TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	54.5	53.2
Tint category	SW1	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05 \tau_{vD65}$ (2.73)	$\leq 0.05 \tau_{vD65}$ (2.66)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.50 \tau_{vD65}$ (27.3)	$\leq 0.50 \tau_{vD65}$ (26.6)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.75 \tau_{vD65}$ (40.9)	$\leq 0.75 \tau_{vD65}$ (39.9)	2.69	2.94

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	0.66	0.66	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	2.44		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.79	0.69

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m ⁻¹)	0.03	0.03	±0.18
Difference of spherical power between left and right filters (m ⁻¹)	0.00		≤ 0.25
Astigmatic Power(m ⁻¹)	0.03	0.06	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.05	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.01	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses. Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.	M	Pass

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30 Right ocular: > 30	Pass

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$ Nasal $\geq 30^\circ$ Superior $\geq 30^\circ$ Inferior $\geq 30^\circ$	Left ocular: M Right ocular: M	Pass

TEST RESULTS

9.3: Temporal flange lenses

Evaluation	Criteria	Result	Comments
Temporal flange lenses	Across the length of the optical aperture as defined in 9.1, temporal flange lenses shall be flat or have a shallow uniform curve.	M	Pass
	Across the junction with the temporal flange, the thickness of the lens shall remain substantially uniform across the entire surface to avoid changes in focal power occurring. The curvature angle or arc of the curved section of the lens shall remain uniform without angular irregularities.	M	
	The angle of the temporal flange to the optical aperture shall not exceed an angle of 60 °.	M	

9.4: Resistance to fogging (optional)

Evaluation	Criteria	Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Ocular: > 40s M	Pass

10.1: Leakage

Evaluation	Criteria	Result	Comments
Leakage	When tested in accordance with 11.1, no ink colouration shall appear on the white absorbent paper after 1 h.	Left ocular M	Pass
		Right ocular M	

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6. the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass



TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear. a) Name and address of the manufacturer or supplier; b) Identification of model; c) The applicable headform(s) and size(s); d) Type of lens if photochromic and/or polarizing; e) The tint category (in both the faded and darkened states for photochromic lenses), preferably on the frame, or on the lens; f) A description of the tint category in form of the designation as given table; g) The markings and information as required in ISO 12312-1:2013, 12.1 d) to j); h) The number of this document (ISO 18527-3); i) Instructions for care and cleaning; warning(s) about cleaning or other products that might damage the eyewear; list of damaging products not suitable for cleaning; j) Instructions on how to assemble the eyewear, if applicable, e.g. if the water seal and eyecups or nosebridge strap are provided separately, the method of attachment; k) Adjustment of headband and nosebridge strap; l) Instructions on how to put on, fit and remove the swimming eyewear; m) An eye safety warning: "WARNING: Do not pull eyecups away from face as they may spring back and cause eye damage."; n) A statement that the swimming eyewear are 'FOR SURFACE SWIMMING ONLY'; o) If the eyewear does not conform with 9.1.1, the statement "FOR SPECIALIST COMPETITIVE USE ONLY"; p) If the luminous transmittance is less than 8%, a statement that the swimming eyewear is suitable for outdoor use in bright environments only.	M	Pass



TEST RESULTS

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- a) explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- b) the position of the reference point when this is different from the one defined in this document;
- c) country of origin (made in ...);
- d) nominal value of luminous transmittance;
- e) transmittance requirements applicable to this product;
- f) base material of lenses and eyecup.

END



TEST REPORT

Technical Report: (9925)092-0107

April 9, 2025

Date Received: April 2, 2025

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APPLICANT NAME Ivy
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Blue/silver	Item Name:	AQUARIUS
Item No.:	158	P.O. No.:	/
Model No.:	/	Batch No.:	/
Age Grade:	Adult	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	April 2, 2025 to April 9, 2025	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

BUREAU VERITAS
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April 9, 2025
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REMARK

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Technical enquiry

BUREAU VERITAS
CONSUMER PRODUCTS SERVICE
SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

Kerwin

San Shen
General Manager



Technical Report: (9925)092-0107
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Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Blue/silver swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



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TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail



TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass

TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{VD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	29.2	28.0
Tint category	SW2	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{VD65}$ (1.46)	$\leq 0.05\tau_{VD65}$ (1.40)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25\tau_{VD65}$ (7.30)	$\leq 0.25\tau_{VD65}$ (7.00)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50\tau_{VD65}$ (14.6)	$\leq 0.50\tau_{VD65}$ (14.0)	6.37	6.65

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{VD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{VD65}	0.50 τ_{VD65}	0.75 τ_{VD65}	$\tau_{VD65} > 80\%$
SW1				$43\% < \tau_{VD65} \leq 80\%$
SW2		0.25 τ_{VD65}	0.50 τ_{VD65}	$18\% < \tau_{VD65} \leq 43\%$
SW3				$8\% < \tau_{VD65} \leq 18\%$
SW4				$3\% < \tau_{VD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	1.61	4.53	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	4.01		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.26	0.52

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	-0.03	-0.01	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.02		≤ 0.25
Astigmatic Power(m^{-1})	0.02	0.01	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.30	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.05	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30	M Pass
		Right ocular: > 30	

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$	Left ocular: M	Right ocular: M Pass
		Nasal $\geq 30^\circ$		
		Superior $\geq 30^\circ$		
		Inferior $\geq 30^\circ$		

TEST RESULTS

9.4: Resistance to fogging (optional)

Evaluation	Criteria		Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Left ocular: > 30s	M	Pass
		Right ocular: > 30s		

10.1: Leakage

Evaluation	Criteria			Result	Comments
Leakage	When tested in accordance with 11.1., the pressure shall not rise by more than 0.3 kPa after 10 s and 3.0 kPa after 20 s.	Pressure rose in 10s (Kpa)	Left ocular: 0.1	M	Pass
			Right ocular: 0.1		
		Pressure rose in 20s (Kpa)	Left ocular: 0.1	M	
			Right ocular: 0.1		

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6, the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Nosebridge Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass



TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear.	M	Pass

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- the position of the reference point when this is different from the one defined in this document;
- country of origin (made in ...);
- nominal value of luminous transmittance;
- transmittance requirements applicable to this product;
- base material of lenses and eyecup.

END



TEST REPORT

Technical Report: (9925)092-0097

April 9, 2025

Date Received: April 2, 2025

Page 1 of 14

APPLICANT NAME Ivy
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color: Black, Blue, Black/silver
Item Name: Performance Goggles
Hydro force
Item No.: 159
P.O. No.: /
Model No.: /
Batch No.: /
Age Grade: Adult
Product End Use: /
Vendor: /
Brand: /
Manufacturer: /
Supplier: YOUNG SPORTING
GOODS (SUZHOU)
CO., LTD
GOLDEN LEMON
CORPORATION.
Buyer: /
Country of Origin: CHINA
Test Period: April 2, 2025 to April 9, 2025
Country of Destination: /
Fiber Content: /
Care Instruction: /

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

BUREAU VERITAS
Consumer Products Services Shen'ou (Wenzhou) Co.,Ltd.
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Technical Report: (9925)092-0097

April 9, 2025

Page 2 of 14

REMARK

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BUREAU VERITAS
CONSUMER PRODUCTS SERVICE
SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

Kerwin

San Shen
General Manager

Photo of the Submitted Sample



TEST RESULTS

Test standard: ISO 18527-3:2020 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Black swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P

TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	NA
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail

TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass

TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	62.2	59.3
Tint category	SW1	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (3.11)	$\leq 0.05\tau_{vD65}$ (2.97)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.50\tau_{vD65}$ (31.1)	$\leq 0.50\tau_{vD65}$ (29.7)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.75\tau_{vD65}$ (46.7)	$\leq 0.75\tau_{vD65}$ (44.5)	1.28	1.22

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	2.08	0.65	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	4.67		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.17	0.23

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	0.00	-0.05	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.05		≤ 0.25
Astigmatic Power(m^{-1})	0.04	0.02	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	-	≤ 1.00
		Base in cm/m	0.05	≤ 0.25
	Vertical cm/m		0.04	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30	M Pass
		Right ocular: > 30	

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$	Left ocular: M	Right ocular: M Pass
		Nasal $\geq 30^\circ$		
		Superior $\geq 30^\circ$		
		Inferior $\geq 30^\circ$		

TEST RESULTS

9.4: Resistance to fogging (optional)

Evaluation	Criteria		Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Left ocular: > 30s	M	Pass
		Right ocular: > 30s		

10.1: Leakage

Evaluation	Criteria			Result	Comments
Leakage	When tested in accordance with 11.1., the pressure shall not rise by more than 0.3 kPa after 10 s and 3.0 kPa after 20 s.	Pressure rose in 10s (Kpa)	Left ocular: 0.1	M	Pass
			Right ocular: 0.1		
		Pressure rose in 20s (Kpa)	Left ocular: 0.1	M	
			Right ocular: 0.2		

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6, the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Nosebridge Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass

TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear.	M	Pass

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- the position of the reference point when this is different from the one defined in this document;
- country of origin (made in ...);
- nominal value of luminous transmittance;
- transmittance requirements applicable to this product;
- base material of lenses and eyecup.

TEST RESULTS

Test samples: B Blue swimming goggles

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	11.5	12.2
Tint category	SW3	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (0.58)	$\leq 0.05\tau_{vD65}$ (0.61)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25\tau_{vD65}$ (2.88)	$\leq 0.25\tau_{vD65}$ (3.05)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50\tau_{vD65}$ (5.75)	$\leq 0.50\tau_{vD65}$ (6.10)	0.41	0.42

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3)
	9.19	14.8	$\leq 20\%$ (Category SW4)
Relative Difference in Luminous Transmittance between filter %	5.18		$\leq 15\%$

TEST RESULTS

Test samples: C Black/silver swimming goggles

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	9.43	9.78
Tint category	SW3	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (0.47)	$\leq 0.05\tau_{vD65}$ (0.49)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25\tau_{vD65}$ (2.36)	$\leq 0.25\tau_{vD65}$ (2.45)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50\tau_{vD65}$ (4.72)	$\leq 0.50\tau_{vD65}$ (4.89)	0.24	0.27

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3)
	10.6	6.40	$\leq 20\%$ (Category SW4)
Relative Difference in Luminous Transmittance between filter %	3.07		$\leq 15\%$

END



TEST REPORT

Technical Report: (9926)082-0135-R1

March 30, 2026

Date Received: March 23, 2026

Page 1 of 14

APPLICANT NAME Zhang Xiaoping
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Green #47	Item Name:	SWAY_JR
Item No.:	160	P.O. No.:	/
Model Name:	/	Batch No.:	/
Age Grade:	Child	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	March 23, 2026 to March 28, 2026	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020/A1:2025 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

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Technical Report: **(9926)082-0135-R1**

March 30, 2026

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REMARK

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BUREAU VERITAS
CONSUMER PRODUCTS SERVICE
SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

Kerwin

San Shen
General Manager



Technical Report: **(9926)082-0135-R1**

March 30, 2026

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Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020/A1:2025 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Green swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



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TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	P
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail

TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass



TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	60.4	60.5
Tint category	SW1	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05 \tau_{vD65}$ (3.02)	$\leq 0.05 \tau_{vD65}$ (3.03)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.50 \tau_{vD65}$ (30.2)	$\leq 0.50 \tau_{vD65}$ (30.3)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.75 \tau_{vD65}$ (45.3)	$\leq 0.75 \tau_{vD65}$ (45.4)	1.76	1.75

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	0.63	0.68	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	0.25		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.78	0.57

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	0.05	0.05	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.00		≤ 0.25
Astigmatic Power(m^{-1})	0.07	0.06	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.21	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.01	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses. Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.	M	Pass

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30 Right ocular: > 30	Pass

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$ Nasal $\geq 30^\circ$ Superior $\geq 30^\circ$ Inferior $\geq 30^\circ$	Left ocular: M Right ocular: M	Pass

TEST RESULTS

9.3: Temporal flange lenses

Evaluation	Criteria	Result	Comments
Temporal flange lenses	Across the length of the optical aperture as defined in 9.1, temporal flange lenses shall be flat or have a shallow uniform curve.	M	Pass
	Across the junction with the temporal flange, the thickness of the lens shall remain substantially uniform across the entire surface to avoid changes in focal power occurring. The curvature angle or arc of the curved section of the lens shall remain uniform without angular irregularities.	M	
	The angle of the temporal flange to the optical aperture shall not exceed an angle of 60 °.	M	

9.4: Resistance to fogging (optional)

Evaluation	Criteria	Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Ocular: > 40s M	Pass

10.1: Leakage

Evaluation	Criteria	Result	Comments
Leakage	When tested in accordance with 11.1, no ink colouration shall appear on the white absorbent paper after 1 h.	Left ocular M	Pass
		Right ocular M	

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6. the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass



TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear. a) Name and address of the manufacturer or supplier; b) Identification of model; c) The applicable headform(s) and size(s); d) Type of lens if photochromic and/or polarizing; e) The tint category (in both the faded and darkened states for photochromic lenses), preferably on the frame, or on the lens; f) A description of the tint category in form of the designation as given table; g) The markings and information as required in ISO 12312-1:2013, 12.1 d) to j); h) The number of this document (ISO 18527-3); i) Instructions for care and cleaning; warning(s) about cleaning or other products that might damage the eyewear; list of damaging products not suitable for cleaning; j) Instructions on how to assemble the eyewear, if applicable, e.g. if the water seal and eyecups or nosebridge strap are provided separately, the method of attachment; k) Adjustment of headband and nosebridge strap; l) Instructions on how to put on, fit and remove the swimming eyewear; m) An eye safety warning: "WARNING: Do not pull eyecups away from face as they may spring back and cause eye damage."; n) A statement that the swimming eyewear are 'FOR SURFACE SWIMMING ONLY'; o) If the eyewear does not conform with 9.1.1, the statement "FOR SPECIALIST COMPETITIVE USE ONLY"; p) If the luminous transmittance is less than 8%, a statement that the swimming eyewear is suitable for outdoor use in bright environments only.	M	Pass



TEST RESULTS

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- a) explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- b) the position of the reference point when this is different from the one defined in this document;
- c) country of origin (made in ...);
- d) nominal value of luminous transmittance;
- e) transmittance requirements applicable to this product;
- f) base material of lenses and eyecup.



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March 30, 2026
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AMENDMENT DETAILS

No.	Changes
1	As per client's request, update Age Grade.

END



TEST REPORT

Technical Report: (9926)082-0141

March 28, 2026

Date Received: March 23, 2026

Page 1 of 12

APPLICANT NAME Zhang Xiaoping
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Clear #1	Item Name:	ORACLE
Item No.:	161	P.O. No.:	/
Model Name:	/	Batch No.:	/
Age Grade:	/	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	March 23, 2026 to March 28, 2026	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020/A1:2025 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

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Technical Report: **(9926)082-0141**

March 28, 2026

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REMARK

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SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

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San Shen
General Manager



Technical Report: **(9926)082-0141**
March 28, 2026
Page 3 of 12

Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020/A1:2025 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Clear swimming goggles (-2.00D)

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	NA
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	NA
7.1.2	Spatial deviation	NA
7.1.3	Prism imbalance	NA
7.2	Non-prescription mass-produced powered lenses	P
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



Technical Report: (9926)082-0141

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TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	P
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail

TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass



TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	90.4	90.4
Tint category	SW0	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05 \tau_{vD65}$ (4.52)	$\leq 0.05 \tau_{vD65}$ (4.52)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.50 \tau_{vD65}$ (45.2)	$\leq 0.50 \tau_{vD65}$ (45.2)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.75 \tau_{vD65}$ (67.8)	$\leq 0.75 \tau_{vD65}$ (67.8)	2.34	2.28

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	0.29	0.20	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	0.03		$\leq 15\%$

TEST RESULTS

7.2: Non-prescription mass-produced powered lenses

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	+0.03	+0.05	± 0.25
Astigmatic Power(m^{-1})	0.02	0.04	≤ 0.25

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30	M Pass
		Right ocular: > 30	

TEST RESULTS

9.2: Field of view

Evaluation	Criteria		Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$	Left ocular: M	Right ocular: M	Pass
		Nasal $\geq 30^\circ$			
		Superior $\geq 30^\circ$			
		Inferior $\geq 30^\circ$			

9.3: Temporal flange lenses

Evaluation	Criteria	Result	Comments
Temporal flange lenses	Across the length of the optical aperture as defined in 9.1, temporal flange lenses shall be flat or have a shallow uniform curve.	M	Pass
	Across the junction with the temporal flange, the thickness of the lens shall remain substantially uniform across the entire surface to avoid changes in focal power occurring. The curvature angle or arc of the curved section of the lens shall remain uniform without angular irregularities.	M	
	The angle of the temporal flange to the optical aperture shall not exceed an angle of 60° .	M	

9.4: Resistance to fogging (optional)

Evaluation	Criteria	Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Ocular: > 40s M	Pass

10.1: Leakage

Evaluation	Criteria	Result	Comments
Leakage	When tested in accordance with 11.1, no ink colouration shall appear on the white absorbent paper after 1 h.	Left ocular M	Pass
		Right ocular M	

**TEST RESULTS**

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6. the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

TEST RESULTS

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear. a) Name and address of the manufacturer or supplier; b) Identification of model; c) The applicable headform(s) and size(s); d) Type of lens if photochromic and/or polarizing; e) The tint category (in both the faded and darkened states for photochromic lenses), preferably on the frame, or on the lens; f) A description of the tint category in form of the designation as given table; g) The markings and information as required in ISO 12312-1:2013, 12.1 d) to j); h) The number of this document (ISO 18527-3); i) Instructions for care and cleaning; warning(s) about cleaning or other products that might damage the eyewear; list of damaging products not suitable for cleaning; j) Instructions on how to assemble the eyewear, if applicable, e.g. if the water seal and eyecups or nosebridge strap are provided separately, the method of attachment; k) Adjustment of headband and nosebridge strap; l) Instructions on how to put on, fit and remove the swimming eyewear; m) An eye safety warning: "WARNING: Do not pull eyecups away from face as they may spring back and cause eye damage."; n) A statement that the swimming eyewear are 'FOR SURFACE SWIMMING ONLY'; o) If the eyewear does not conform with 9.1.1, the statement "FOR SPECIALIST COMPETITIVE USE ONLY"; p) If the luminous transmittance is less than 8%, a statement that the swimming eyewear is suitable for outdoor use in bright environments only.	M	Pass



TEST RESULTS

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- a) explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- b) the position of the reference point when this is different from the one defined in this document;
- c) country of origin (made in ...);
- d) nominal value of luminous transmittance;
- e) transmittance requirements applicable to this product;
- f) base material of lenses and eyecup.

END



TEST REPORT

Technical Report: (9926)082-0139

March 28, 2026

Date Received: March 23, 2026

Page 1 of 13

APPLICANT NAME Zhang Xiaoping
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Black #111	Item Name:	AQUA SILICONE
Item No.:	162	P.O. No.:	/
Model Name:	/	Batch No.:	/
Age Grade:	/	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	March 23, 2026 to March 28, 2026	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020/A1:2025 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

BUREAU VERITAS
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Technical Report: **(9926)082-0139**

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REMARK

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**BUREAU VERITAS
CONSUMER PRODUCTS SERVICE
SHEN'OU(WENZHOU)CO., LTD**

PREPARED
BY :

Kerwin

**San Shen
General Manager**



Technical Report: **(9926)082-0139**
March 28, 2026
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Photo of the Submitted Sample



Report Number
(9926)082-0139



TEST RESULTS

Test standard: ISO 18527-3:2020/A1:2025 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Black swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



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March 28, 2026

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TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	P
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail

TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass

TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	35.3	35.4
Tint category	SW2	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05 \tau_{vD65}$ (1.77)	$\leq 0.05 \tau_{vD65}$ (1.77)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25 \tau_{vD65}$ (8.83)	$\leq 0.25 \tau_{vD65}$ (8.85)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50 \tau_{vD65}$ (17.7)	$\leq 0.50 \tau_{vD65}$ (17.7)	0.58	0.57

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	0.08	2.21	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	0.20		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.14	0.35

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	0.10	0.08	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.02		≤ 0.25
Astigmatic Power(m^{-1})	0.02	0.02	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.44	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.05	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses. Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.	M	Pass

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30 Right ocular: > 30 M	Pass

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$ Nasal $\geq 30^\circ$ Superior $\geq 30^\circ$ Inferior $\geq 30^\circ$	Left ocular: M	Right ocular: M Pass

TEST RESULTS

9.3: Temporal flange lenses

Evaluation	Criteria	Result	Comments
Temporal flange lenses	Across the length of the optical aperture as defined in 9.1, temporal flange lenses shall be flat or have a shallow uniform curve.	M	Pass
	Across the junction with the temporal flange, the thickness of the lens shall remain substantially uniform across the entire surface to avoid changes in focal power occurring. The curvature angle or arc of the curved section of the lens shall remain uniform without angular irregularities.	M	
	The angle of the temporal flange to the optical aperture shall not exceed an angle of 60 °.	M	

9.4: Resistance to fogging (optional)

Evaluation	Criteria	Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Ocular: > 40s M	Pass

10.1: Leakage

Evaluation	Criteria	Result	Comments
Leakage	When tested in accordance with 11.1, no ink colouration shall appear on the white absorbent paper after 1 h.	Left ocular M	Pass
		Right ocular M	

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6. the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass

TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear. a) Name and address of the manufacturer or supplier; b) Identification of model; c) The applicable headform(s) and size(s); d) Type of lens if photochromic and/or polarizing; e) The tint category (in both the faded and darkened states for photochromic lenses), preferably on the frame, or on the lens; f) A description of the tint category in form of the designation as given table; g) The markings and information as required in ISO 12312-1:2013, 12.1 d) to j); h) The number of this document (ISO 18527-3); i) Instructions for care and cleaning; warning(s) about cleaning or other products that might damage the eyewear; list of damaging products not suitable for cleaning; j) Instructions on how to assemble the eyewear, if applicable, e.g. if the water seal and eyecups or nosebridge strap are provided separately, the method of attachment; k) Adjustment of headband and nosebridge strap; l) Instructions on how to put on, fit and remove the swimming eyewear; m) An eye safety warning: "WARNING: Do not pull eyecups away from face as they may spring back and cause eye damage."; n) A statement that the swimming eyewear are 'FOR SURFACE SWIMMING ONLY'; o) If the eyewear does not conform with 9.1.1, the statement "FOR SPECIALIST COMPETITIVE USE ONLY"; p) If the luminous transmittance is less than 8%, a statement that the swimming eyewear is suitable for outdoor use in bright environments only.	M	Pass



TEST RESULTS

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- a) explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- b) the position of the reference point when this is different from the one defined in this document;
- c) country of origin (made in ...);
- d) nominal value of luminous transmittance;
- e) transmittance requirements applicable to this product;
- f) base material of lenses and eyecup.

END



TEST REPORT

Technical Report: (9926)082-0134

March 28, 2026

Date Received: March 23, 2026

Page 1 of 13

APPLICANT NAME Zhang Xiaoping
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Blue #87	Item Name:	AQUARIUS SILICONE
Item No.:	163	P.O. No.:	/
Model Name:	/	Batch No.:	/
Age Grade:	/	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	March 23, 2026 to March 28, 2026	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020/A1:2025 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

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Technical Report: **(9926)082-0134**
March 28, 2026
Page 2 of 13

REMARK

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BUREAU VERITAS
CONSUMER PRODUCTS SERVICE
SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

Kerwin

San Shen
General Manager



Technical Report: **(9926)082-0134**
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Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020/A1:2025 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Blue swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



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TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	P
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail



TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass



TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	64.1	63.3
Tint category	SW1	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (3.21)	$\leq 0.05\tau_{vD65}$ (3.17)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.50\tau_{vD65}$ (32.1)	$\leq 0.50\tau_{vD65}$ (31.7)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.75\tau_{vD65}$ (48.1)	$\leq 0.75\tau_{vD65}$ (47.5)	2.22	2.05

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	0.37	0.38	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	1.23		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.25	0.27

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	-0.05	-0.07	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.02		≤ 0.25
Astigmatic Power(m^{-1})	0.04	0.03	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.22	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.01	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30	M Pass
		Right ocular: > 30	

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$	Left ocular: M	Right ocular: M Pass
		Nasal $\geq 30^\circ$		
		Superior $\geq 30^\circ$		
		Inferior $\geq 30^\circ$		

TEST RESULTS

9.3: Temporal flange lenses

Evaluation	Criteria	Result	Comments
Temporal flange lenses	Across the length of the optical aperture as defined in 9.1, temporal flange lenses shall be flat or have a shallow uniform curve.	M	Pass
	Across the junction with the temporal flange, the thickness of the lens shall remain substantially uniform across the entire surface to avoid changes in focal power occurring. The curvature angle or arc of the curved section of the lens shall remain uniform without angular irregularities.	M	
	The angle of the temporal flange to the optical aperture shall not exceed an angle of 60 °.	M	

9.4: Resistance to fogging (optional)

Evaluation	Criteria	Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Ocular: > 40s M	Pass

10.1: Leakage

Evaluation	Criteria	Result	Comments
Leakage	When tested in accordance with 11.1, no ink colouration shall appear on the white absorbent paper after 1 h.	Left ocular M	Pass
		Right ocular M	

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass



TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6. the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass

**TEST RESULTS**

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear. a) Name and address of the manufacturer or supplier; b) Identification of model; c) The applicable headform(s) and size(s); d) Type of lens if photochromic and/or polarizing; e) The tint category (in both the faded and darkened states for photochromic lenses), preferably on the frame, or on the lens; f) A description of the tint category in form of the designation as given table; g) The markings and information as required in ISO 12312-1:2013, 12.1 d) to j); h) The number of this document (ISO 18527-3); i) Instructions for care and cleaning; warning(s) about cleaning or other products that might damage the eyewear; list of damaging products not suitable for cleaning; j) Instructions on how to assemble the eyewear, if applicable, e.g. if the water seal and eyecups or nosebridge strap are provided separately, the method of attachment; k) Adjustment of headband and nosebridge strap; l) Instructions on how to put on, fit and remove the swimming eyewear; m) An eye safety warning: "WARNING: Do not pull eyecups away from face as they may spring back and cause eye damage."; n) A statement that the swimming eyewear are 'FOR SURFACE SWIMMING ONLY'; o) If the eyewear does not conform with 9.1.1, the statement "FOR SPECIALIST COMPETITIVE USE ONLY"; p) If the luminous transmittance is less than 8%, a statement that the swimming eyewear is suitable for outdoor use in bright environments only.	M	Pass



TEST RESULTS

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- a) explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- b) the position of the reference point when this is different from the one defined in this document;
- c) country of origin (made in ...);
- d) nominal value of luminous transmittance;
- e) transmittance requirements applicable to this product;
- f) base material of lenses and eyecup.

END



TEST REPORT

Technical Report: (9926)082-0137

March 28, 2026

Date Received: March 23, 2026

Page 1 of 13

APPLICANT NAME Zhang Xiaoping
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Black #34 Blue	Item Name:	GLIDE
Item No.:	167	P.O. No.:	/
Model Name:	/	Batch No.:	/
Age Grade:	/	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	March 23, 2026 to March 28, 2026	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020/A1:2025 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

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Technical Report: **(9926)082-0137**

March 28, 2026

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REMARK

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SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

Kerwin

San Shen
General Manager



Technical Report: **(9926)082-0137**
March 28, 2026
Page 3 of 13

Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020/A1:2025 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Black/blue swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P

**TEST RESULTS**

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	P
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail

TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass

TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	27.1	26.4
Tint category	SW2	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05 \tau_{vD65}$ (1.36)	$\leq 0.05 \tau_{vD65}$ (1.32)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA380}$)	$\leq 0.25 \tau_{vD65}$ (6.78)	$\leq 0.25 \tau_{vD65}$ (6.60)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m380-400}$)	$\leq 0.50 \tau_{vD65}$ (13.6)	$\leq 0.50 \tau_{vD65}$ (13.2)	0.30	0.31

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	3.89	4.71	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	2.44		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.32	0.22

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	-0.04	-0.02	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.02		≤ 0.25
Astigmatic Power(m^{-1})	0.04	0.01	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.16	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.01	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses. Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.	M	Pass

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30 Right ocular: > 30	Pass

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$ Nasal $\geq 30^\circ$ Superior $\geq 30^\circ$ Inferior $\geq 30^\circ$	Left ocular: M Right ocular: M	Pass

TEST RESULTS

9.3: Temporal flange lenses

Evaluation	Criteria	Result	Comments
Temporal flange lenses	Across the length of the optical aperture as defined in 9.1, temporal flange lenses shall be flat or have a shallow uniform curve.	M	Pass
	Across the junction with the temporal flange, the thickness of the lens shall remain substantially uniform across the entire surface to avoid changes in focal power occurring. The curvature angle or arc of the curved section of the lens shall remain uniform without angular irregularities.	M	
	The angle of the temporal flange to the optical aperture shall not exceed an angle of 60 °.	M	

9.4: Resistance to fogging (optional)

Evaluation	Criteria	Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Ocular: > 40s M	Pass

10.1: Leakage

Evaluation	Criteria	Result	Comments
Leakage	When tested in accordance with 11.1, no ink colouration shall appear on the white absorbent paper after 1 h.	Left ocular M	Pass
		Right ocular M	

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass

TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6. the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass

TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear. a) Name and address of the manufacturer or supplier; b) Identification of model; c) The applicable headform(s) and size(s); d) Type of lens if photochromic and/or polarizing; e) The tint category (in both the faded and darkened states for photochromic lenses), preferably on the frame, or on the lens; f) A description of the tint category in form of the designation as given table; g) The markings and information as required in ISO 12312-1:2013, 12.1 d) to j); h) The number of this document (ISO 18527-3); i) Instructions for care and cleaning; warning(s) about cleaning or other products that might damage the eyewear; list of damaging products not suitable for cleaning; j) Instructions on how to assemble the eyewear, if applicable, e.g. if the water seal and eyecups or nosebridge strap are provided separately, the method of attachment; k) Adjustment of headband and nosebridge strap; l) Instructions on how to put on, fit and remove the swimming eyewear; m) An eye safety warning: "WARNING: Do not pull eyecups away from face as they may spring back and cause eye damage."; n) A statement that the swimming eyewear are 'FOR SURFACE SWIMMING ONLY'; o) If the eyewear does not conform with 9.1.1, the statement "FOR SPECIALIST COMPETITIVE USE ONLY"; p) If the luminous transmittance is less than 8%, a statement that the swimming eyewear is suitable for outdoor use in bright environments only.	M	Pass



TEST RESULTS

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- a) explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- b) the position of the reference point when this is different from the one defined in this document;
- c) country of origin (made in ...);
- d) nominal value of luminous transmittance;
- e) transmittance requirements applicable to this product;
- f) base material of lenses and eyecup.

END



TEST REPORT

Technical Report: (9926)082-0138

March 28, 2026

Date Received: March 23, 2026

Page 1 of 13

APPLICANT NAME Zhang Xiaoping
APPLICANT COMPANY NAME Young Sporting Goods (Suzhou) Co., LTD
APPLICANT STREET ADDRESS No.498, Changan Road, Wujiang District, Suzhou City
CITY, STATE, ZIP

Sample Description: SWIMMING GOGGLES

Color:	Black #34 Silver	Item Name:	NEPTUNE
Item No.:	168	P.O. No.:	/
Model Name:	/	Batch No.:	/
Age Grade:	/	Product End Use:	/
Vendor:	/	Brand:	/
Manufacturer:	/	Supplier:	YOUNG SPORTING GOODS (SUZHOU) CO., LTD GOLDEN LEMON CORPORATION.
Buyer:	/	Country of Origin:	CHINA
Test Period:	March 23, 2026 to March 28, 2026	Country of Destination:	/
Fiber Content:	/		
Care Instruction:	/		

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
ISO 18527-3:2020/A1:2025 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming	PASS	

DK

BUREAU VERITAS
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March 28, 2026
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REMARK

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CONSUMER PRODUCTS SERVICE
SHEN'OU(WENZHOU)CO., LTD

PREPARED
BY :

Kerwin

San Shen
General Manager



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Photo of the Submitted Sample





TEST RESULTS

Test standard: ISO 18527-3:2020/A1:2025 Eye and face protection for sports use — Part 3: Requirements and test methods for eyewear intended to be used for surface swimming

Test samples: A Black/silver swimming goggles

Section	Test	Result
4	General requirements for eyewear	
4.1	Physiological compatibility	#2
4.2	Construction and adjustment	P
4.3	Cleaning and/or disinfection	#3
4.4	Lens material and surface quality	P
4.5	Headform(s)	#1
4.6	Resistance to corrosion	NA
4.7	Retention by headband (Sit and fit)	P
4.8	Mandatory and optional requirements	#4
5	Transmittance of the lenses	
5.2	Transmittance and filter categories	P
5.3	General transmittance requirements	
5.3.1	Uniformity of luminous transmittance and transmittance matching	P
5.3.2	Variations due to thickness variations	NA
5.4	Special transmittance requirements	
5.4.1	Photochromic lenses	NA
5.4.2	Polarizing lenses	NA
5.5	Claimed solar absorption/transmittance properties (optional)	
5.5.2	Solar blue-light absorption/transmittance	NA (No claim)
5.5.3	Solar UV absorption/transmittance	NA (No claim)
5.5.4	Anti-reflective coated lenses (optional)	NA (No claim)
5.5.5	Reduced reflection coated lenses (optional)	NA (No claim)
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	
7.1.1	Refractive power	P
7.1.2	Spatial deviation	P
7.1.3	Prism imbalance	P
7.2	Non-prescription mass-produced powered lenses	NA
7.3	Prescription lenses	
7.3.1	Spherical and cylindrical power	NA
7.3.2	Prismatic power of unmounted lenses	NA
7.3.3	Prism imbalance for mounted prescription lenses	NA
8	Mechanical strength	P



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TEST RESULTS

Section	Test	Result
9	Other requirements for lenses	
9.1	Minimum optical aperture	
9.1.1	Recreational and competitive use	P
9.1.2	Specialist competitive use (optional)	NA
9.2	Field of view	P
9.3	Temporal flange lenses	P
9.4	Resistance to fogging (optional)	P
10	Other requirements	
10.1	Leakage	P
10.2	Compressive strength of eyewear	P
10.3	Adhesion of water seal to eyecup	P
10.4	Headband	
10.4.1	Adjustment	P
10.4.2	Resistance to slipping	P
10.4.3	Resistance to breaking	P
10.5	Nosebridge strap	P
12	Labelling and information to be supplied by the manufacturer	
12.1	Complete eyewear	P
12.2	Mandatory markings on swimming eyewear	P
12.3	Information to be supplied by the manufacturer with each eyewear	P
12.4	Additional information to be available from the manufacturer	#5

Note: P=PASS; NA=Not applicable, M=Meet, F=Fail



TEST RESULTS

4.2: Construction and adjustment

Evaluation	Criteria	Result	Comments
Construction and adjustment	Areas of the eyewear that may, during intended use, come into contact with the wearer shall be free from projections, sharp edges or other features likely to cause discomfort or injury to the wearer. Any part of the eyewear that can be adjusted or removed by the wearer for the purpose of replacement (in accordance with the instructions given in the information to be supplied by the manufacturer) shall be designed and manufactured to facilitate adjustment, removal and attachment without the use of tools. Any adjustment system incorporated in the eyewear shall maintain the intended fit for the foreseeable conditions of use.	M	Pass

4.4: Lens material and surface quality

Evaluation	Criteria	Result	Comments
Lens material and surface quality	In a circular area 30 mm diameter centred on the reference point(s) but excluding a marginal area 3.0 mm wide around the edge of the lens, if this overlaps with the circular area, lenses shall be free from defects likely to impair vision in use (such as bubbles, scratches, inclusions, dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation). Outside this zone, including on any temporal flange, small isolated material and/or surface defects are acceptable.	M	Pass

4.7: Retention by headband (Sit and fit)

Evaluation	Criteria	Result	Comments
Retention by headband (Sit and fit)	Eyewear shall sit in the intended position during normal use and shall adapt to the contours of the face. The surfaces in contact with the face shall be free of sharp edges and, ideally, made of soft flexible material. The headband shall be designed to be flexible or adjustable and sit securely on the back of the head. The headband assembly shall not cause any discomfort nor exhibit any insecurity.	M	Pass

TEST RESULTS

5.2: Transmittance and filter categories

Luminous Transmittance (τ_{vD65}) (380 nm to 780 nm)%	Left ocular	Right ocular
	14.4	14.3
Tint category	SW3	

Parameter	Requirement (%)		Result	
	Left ocular	Right ocular	Left ocular	Right ocular
280 nm to 315 nm (τ_{SUVB})	$\leq 0.05\tau_{vD65}$ (0.72)	$\leq 0.05\tau_{vD65}$ (0.72)	<0.10	<0.10
315 nm to 380 nm ($\tau_{SUVA\ 380}$)	$\leq 0.25\tau_{vD65}$ (3.60)	$\leq 0.25\tau_{vD65}$ (3.58)	<0.10	<0.10
380 nm to 400 nm ($\tau_{m\ 380-400}$)	$\leq 0.50\tau_{vD65}$ (7.20)	$\leq 0.50\tau_{vD65}$ (7.15)	<0.10	1.16

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum solar UV-B transmittance τ_{SUVB} 280 nm $\leq \lambda \leq$ 315 nm	Maximum solar UV-A transmittance $\tau_{SUVA\ 380}$ 315 nm $\leq \lambda \leq$ 380 nm	Mean 380 nm to 400 nm spectral transmittance $\tau_{m\ 380-400}$ 380 nm $\leq \lambda \leq$ 400 nm	Luminous transmittance τ_{vD65} 380 nm $\leq \lambda \leq$ 780 nm
SW0	0.05 τ_{vD65}	0.50 τ_{vD65}	0.75 τ_{vD65}	$\tau_{vD65} > 80\%$
SW1				$43\% < \tau_{vD65} \leq 80\%$
SW2		0.25 τ_{vD65}	0.50 τ_{vD65}	$18\% < \tau_{vD65} \leq 43\%$
SW3				$8\% < \tau_{vD65} \leq 18\%$
SW4				$3\% < \tau_{vD65} \leq 8\%$

Note Some national requirements may stipulate a different requirement for long wavelength limit of UV-A.

5.3.1: Uniformity of luminous transmittance and transmittance matching

Parameter	Results		Requirement
Relative Difference in Luminous Transmittance within filter %	Left Ocular	Right Ocular	$\leq 15\%$ (Category SW0, SW1, SW2, SW3) $\leq 20\%$ (Category SW4)
	0.69	0.35	$\leq 15\%$
Relative Difference in Luminous Transmittance between filter %	0.63		$\leq 15\%$

TEST RESULTS

6: Scattered light

Requirement(s) :	Results	
When tested in accordance with ISO 18526-2:2020, 14.1, the percentage of wide angle scattered light shall not exceed the value of 3 %, when measured according to ISO 18526-2:2020, 14.1.	Left Ocular	Right Ocular
	0.17	0.63

7.1.1: Refractive power

Optical Power	Right Ocular	Left Ocular	Requirement
Spherical Power(m^{-1})	-0.03	0.02	± 0.18
Difference of spherical power between left and right filters (m^{-1})	0.05		≤ 0.25
Astigmatic Power(m^{-1})	0.04	0.07	≤ 0.18

7.1.2: Spatial deviation

Requirement(s) :	Results	Comments
If during the measurements using the telescope, a doubling or other aberration of the image is observed, then the lenses shall be tested at the reference points according to the test method in ISO 18526-1:2020,6.3, over the minimum optical diameter specified in 9.1. The lens shall be free of rapid or irregular distortions likely to impair vision.	Meet	PASS

7.1.3: Prism imbalance

Optical Power			Result	Requirement
Prismatic Power Difference	Horizontal	Base out cm/m	0.16	≤ 1.00
		Base in cm/m	-	≤ 0.25
	Vertical cm/m		0.03	≤ 0.25

TEST RESULTS

8: Mechanical strength

Evaluation	Criteria	Result	Comments
Mechanical strength	The eyewear shall be meet the requirements of the Strength Level 2, 22 mm nominal diameter steel ball of 43 g minimum mass falling from 1.27 m according to ISO 18526-3:2020, 7.1. The impacts shall be directed to within 10 mm of the two reference points on the lenses.	M	Pass
	Note: No cracking through the entire thickness into two or more pieces. No eyewear separates into two or more pieces. No material becomes detached from the surface opposite to that impacted. No lens become dislodged from its normal position. No ball passes through the eyewear. No indication that there has been contact of the ball or the eyewear with the eye.		

9.1.1: Recreational and competitive use

Evaluation	Criteria	Result	Comments
Recreational and competitive use	When measured on the outside surface with a precision millimetric rule or equivalent device, the minimum optical aperture on the horizontal centreline shall be as follows: a) eyewear for headforms 1-S, 1-M, 1-L, 2-S, 2-M and 2-L: 23 mm; b) eyewear for headforms 1-C6, 1-C12, 2-C6 and 2-C12: 20 mm.	Left ocular: > 30	M Pass
		Right ocular: > 30	

9.2: Field of view

Evaluation	Criteria	Result		Comments
Field of view	When tested in accordance with ISO 18526-3:2020, 6.2 the field of view shall be meet the minima range. A transparent frame and the temporal flange can be included in the field of view.	Temporal $\geq 60^\circ$	Left ocular: M	Right ocular: M Pass
		Nasal $\geq 30^\circ$		
		Superior $\geq 30^\circ$		
		Inferior $\geq 30^\circ$		

TEST RESULTS

9.3: Temporal flange lenses

Evaluation	Criteria	Result	Comments
Temporal flange lenses	Across the length of the optical aperture as defined in 9.1, temporal flange lenses shall be flat or have a shallow uniform curve.	M	Pass
	Across the junction with the temporal flange, the thickness of the lens shall remain substantially uniform across the entire surface to avoid changes in focal power occurring. The curvature angle or arc of the curved section of the lens shall remain uniform without angular irregularities.	M	
	The angle of the temporal flange to the optical aperture shall not exceed an angle of 60 °.	M	

9.4: Resistance to fogging (optional)

Evaluation	Criteria	Result	Comments
Resistance to fogging	When claimed to be anti-fog and when tested according to ISO 18526-3:2020, 6.11, the lens shall remain fog-free for a period of at least 30s.	Ocular: > 40s M	Pass

10.1: Leakage

Evaluation	Criteria	Result	Comments
Leakage	When tested in accordance with 11.1, no ink colouration shall appear on the white absorbent paper after 1 h.	Left ocular M	Pass
		Right ocular M	

10.2: Compressive strength of eyewear

Evaluation	Criteria	Result	Comments
Compressive strength of eyewear	When tested in accordance with 11.2, eyewear shall not fracture or splinter.	M	Pass

10.3: Adhesion of water seal to eyecup

Evaluation	Criteria	Result	Comments
Adhesion of water seal to eyecup	When tested in accordance with 11.3, no part of the water seal shall become detached from the eyecup.	M	Pass



TEST RESULTS

10.4: Headband

Evaluation	Criteria	Result	Comments
Adjustment	The eyewear should be adjustable by the user to be held in place sufficiently for use and to assist in providing a seal around the eyes.	M	Pass
Resistance to slipping	When tested in accordance with 11.4, the total amount of slippage of the headband through the fastening device(s) shall not exceed 6 mm.	Total:< 2mm	
Resistance to breaking	When tested in accordance with 11.5, the headband shall not tear or break.	M	

10.5: Nosebridge strap

Evaluation	Criteria	Result	Comments
Nosebridge strap	If the nosebridge strap is supplied as a separate item, it shall be adjustable by way of length or by supplying separate interchangeable nosebridge straps with the eyewear. When tested in accordance with 11.6. the nosebridge strap shall neither break nor slip through its retainer.	M	Pass

12.1: Complete eyewear

Evaluation	Criteria	Result	Comments
Complete eyewear	All markings shall be clear and sufficiently durable to remain legible throughout the intended lifetime of the product. The marking shall be fully visible when the complete eyewear is assembled. The marking shall not encroach into the minimum field of view. If the lens and eyecup form a single unit, the complete marking shall be applied to the eyecup or one of the lenses.	M	Pass

12.2: Mandatory markings on swimming eyewear

Evaluation	Criteria	Result	Comments
Mandatory markings on swimming eyewear	The following information shall be legibly and permanently marked on the eyewear: a) manufacturer's identifying mark or manufacturer's trademark; b) the number of this document, i.e. ISO 18527-3:2020.	M	Pass



TEST RESULTS

12.3: Information to be supplied by the manufacturer with each eyewear

Evaluation	Criteria	Result	Comments
Information to be supplied by the manufacturer with each eyewear	The manufacturer shall provide information for the user with each eyewear. This information shall be in the form of markings on the frame or separate information on labels, packaging, etc. that accompanies the eyewear. Where pictograms are used, an explanation of the significance of these pictograms shall also be supplied with each pair of eyewear. a) Name and address of the manufacturer or supplier; b) Identification of model; c) The applicable headform(s) and size(s); d) Type of lens if photochromic and/or polarizing; e) The tint category (in both the faded and darkened states for photochromic lenses), preferably on the frame, or on the lens; f) A description of the tint category in form of the designation as given table; g) The markings and information as required in ISO 12312-1:2013, 12.1 d) to j); h) The number of this document (ISO 18527-3); i) Instructions for care and cleaning; warning(s) about cleaning or other products that might damage the eyewear; list of damaging products not suitable for cleaning; j) Instructions on how to assemble the eyewear, if applicable, e.g. if the water seal and eyecups or nosebridge strap are provided separately, the method of attachment; k) Adjustment of headband and nosebridge strap; l) Instructions on how to put on, fit and remove the swimming eyewear; m) An eye safety warning: "WARNING: Do not pull eyecups away from face as they may spring back and cause eye damage."; n) A statement that the swimming eyewear are 'FOR SURFACE SWIMMING ONLY'; o) If the eyewear does not conform with 9.1.1, the statement "FOR SPECIALIST COMPETITIVE USE ONLY"; p) If the luminous transmittance is less than 8%, a statement that the swimming eyewear is suitable for outdoor use in bright environments only.	M	Pass



TEST RESULTS

Note:

1 = The submitted eyewear was declared by applicant for adult use, and the reference head form was 1-M.

2 = Eyewear shall be designed and manufactured in such a way that when used under the conditions and for the purposes intended, they will not compromise the health or safety of the wearer. The risks posed by substances leaking or evaporating from the eyewear that can come into prolonged contact with the wearer shall be reduced by the manufacturer to within the limits of any applicable regulatory requirement.

Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

3 = The eyewear shall be cleaned only once according to the cleaning and/or disinfection procedures in the information to be supplied by the manufacturer before being subjected to testing.

4 = In this document both optional and mandatory requirements are described. Depending on the intended use and/or the manufacturer's claimed specification, some requirements marked as optional become mandatory.

5 = The following information shall be available from the manufacturer or supplier on request:

- a) explanation of the marking and of the trademarks that are not universally recognized or foreseen by the users of this document;
- b) the position of the reference point when this is different from the one defined in this document;
- c) country of origin (made in ...);
- d) nominal value of luminous transmittance;
- e) transmittance requirements applicable to this product;
- f) base material of lenses and eyecup.

END