

TEST REPORT

Applicant: DONGGUAN SAILANG SPORTS ARTICLES CO.,LTD Number: HKGH0290817702
NO.318 SUKENG ROAD,
CHANGPING, DONGGUAN,
DUANG DONG PROVINCE,
CHINA
Attn: CHERRY Date: Jul 28, 2022

Sample and Information provided by customer :
Item Name : **Swimming Goggles**
Model No. : **AF-600/ MC-600/ AF-200/ MC-200**
Quantity : 6 pieces
Country of Origin : CN

For and on behalf of :
Intertek Testing Services HK Ltd.



Cindy I.K. Chan
Vice President



Page 1 of 8



TEST REPORT

Number : HKGH0290817702

Conclusion:

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details :

Requirement	Result
(1) BS 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 - Labelling and information to be supplied by the manufacturer	Pass

Decision Rule(s):

When a statement of conformity to a specification or standard is provided on test report, the decision rule shall be applied. For details, please refer to Intertek's "Decision Rule Document" and is available on Intertek's website. <https://intertekhk.grd.by/decision-rule-doc..>

If decision rule already inhered in the requested specification or standard, Intertek's "Decision Rule Document" is not applicable and indication of "∞" was shown as above table.



TEST REPORT

Number : HKGH0290817702

(1) Requirements for surface swimming goggles

Test Standard : BS 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 : Six (6) pairs

Notes :

(1) The submitted swimming goggles were labeled by applicant for adult use.

(2) Physiological compatibility

Note: Swimming goggles 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 (and safety) of the wearer. The risks posed by substances leaking from the device that may come into prolonged contact with the skin shall be reduced by the manufacturer to below any regulatory limit. Special attention shall be given to substances which are allergenic, carcinogenic, mutagenic or toxic to reproduction.

(3) CE marking or UKCA marking is not specified in BS ISO 18527-3:2020. However, per Regulation (EU) 2016/425 or UK2019 SI696 Schedule 35 Regulation 38, the CE marking or UKCA marking shall be affixed visibly, legibly and indelibly to the face shield respectively.

However, both CE marking and UKCA marking were not found on the goggles.

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
4.5	Headform(s)	#1
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)	NA
6	Scattered light	P
7	Refractive power and prismatic power	
7.1	Non-prescription nominally plano or afocal lenses	



TEST REPORT

Number : HKGH0290817702

Clause	Requirement	Result
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	NA
8	Mechanical strength	P
9	Other requirement 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
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	P
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	#2
12.2	Mandatory markings on swimming eyewear	#2
12.3	Information to be supplied by the manufacturer with each eyewear	#3
12.4	Additional information to be available from the manufacturer	#4

Abbreviation : P = Pass NA = Not Applicable



Page 4 of 8

TEST REPORT

Number : HKGH0290817702

Test data:

5.2 Transmittance and filter categories

Range	Left ocular (%)	Right ocular (%)	Filter category
380 - 780nm (Tv D65)	89.10	89.23	SW0

Range	Maximum transmittance (%)		Limit (%)	
	Left ocular	Right ocular	Left ocular	Right ocular
280 - 315nm (T _{SUVB})	<0.10	<0.10	≤ 0.05 Tv D65 (4.45)	≤ 0.05 Tv D65 (4.46)
315 - 380nm (T _{SUVA 380})	<0.10	<0.10	≤ 0.50 Tv D65 (44.55)	≤ 0.50 Tv D65 (44.61)

Range	Mean transmittance (%)		Limit (%)	
	Left ocular	Right ocular	Left ocular	Right ocular
380 - 400nm (T _{m 380 - 400})	27.15	27.38	≤ 0.75 Tv D65 (66.82)	≤ 0.75 Tv D65 (66.92)

Requirement:

Tint category	Wavelength range from 280 nm to 400 nm			Visible spectral range
	Maximum value of solar UV-B transmittance T _{SUVB} 280 nm to 315 nm	Maximum value of solar UV-A transmittance T _{SUVA 380} 315 nm to 380 nm	Mean 380 nm to 400nm spectral transmittance T _{m 380 - 400} 380 nm to 400 nm	Luminous transmittance (Tv D65) 380 nm to 780 nm
SW0	0.05 Tv D65	0.50 Tv D65	0.75Tv D65	Tv > 80%
SW1				43% < Tv ≤ 80%
SW2				18% < Tv ≤ 43%
SW3		0.25 Tv D65	0.50Tv D65	8% < Tv ≤ 18%
SW4				3% < Tv ≤ 8%

5.3.1 Uniformity of luminous transmittance

Uniformity	Left ocular	Right ocular	Limit (%)
% variation within filter [relative to higher value]	1.39	1.80	≤ 15
% difference between filters [relative to lighter filter]	0.15		≤ 15



TEST REPORT

Number : HKGH0290817702

6 Scattered light

Wide angle scattering (%)	Left ocular	Right ocular	Requirement
	0.6	0.8	≤ 3

7.1.1 Refractive power

Optical power	Left ocular	Right ocular	Limit
Spherical power (m^{-1})	-0.03	-0.01	± 0.18
Astigmatic power (m^{-1})	0.01	0	≤ 0.18
Difference of spherical power between left and right filters (m^{-1})	0.02		≤ 0.25

7.1.3 Prism imbalance

Prismatic power difference (cm/m)			Limit (cm/m)
Horizontal	Base out	--	≤ 1.00
	Base in	0.025	≤ 0.25
Vertical		0.025	≤ 0.25

Remark:

1 - As per client request, 1-M headform was used for test.

2 - Each pair of eyewears shall be legibly and permanently marked with the following information:
a) manufacturer's identifying mark or manufacturer's trademark;
b) the number of this document, i.e. ISO 18527-3:2020.



TEST REPORT

Number : HKGH0290817702

3 - 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:

- name and address of the manufacturer or supplier;
- identification of model;
- the applicable headform(s) and size(s);
- type of lens if photochromic and/or polarizing;
- the tint category (in both the faded and darkened states for photochromic lenses), preferably on the frame, or on the lens;
- a description of the tint category in form of the designation as below:

Tint category	Description	Usage	Symbol
SW0	Light tint eyewear	Very limited reduction of sunglare Some UV protection Intended for indoor use	 IEC 60417-5955
SW1		Limited reduction of sunglare Some UV protection Intended for indoor use	 ISO 7000-2948
SW2	General purpose eyewear	Good protection against sunglare Good UV protection Intended for outdoor use	 ISO 7000-2949
SW3		High protection against sunglare Good UV protection Intended for outdoor use	 ISO 7000-2950
SW4	Very dark special purpose eyewear	High protection against extreme sunglare Good UV protection For outdoor use in extremely bright conditions	 ISO 7000-2951

g) the markings and information as required in ISO 12312-1:2013, 12.1 g) 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. See Annex A for an example;

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"; and

p) if the luminous transmittance is less than 8 %, a statement that the swimming eyewear is suitable for outdoor use in bright environments only.



TEST REPORT

Number : HKGH0290817702

#4 – 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 : Jul 14, 2022

Testing period : Jul 14, 2022 to Jul 22, 2022

End of report

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to and subject to our standard Terms and Conditions which can be obtained at our website: <http://www.intertek.com/terms/>. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Intertek is responsible for all the information provided in the reports, except when information is provided by the Client or when the Client requires the item to be tested acknowledging a deviation from specified conditions that can affect the validity of results.

The observations and test results in this report are relevant to the sample(s) tested and submitted by client. The report is not intended to be a recommendation for any particular course of action, you are responsible for acting as you see fit on the basis of the report results. This report does not discharge or release you from your legal obligations and duties to any other person. Only the Client is authorized to permit copying or distribution of this report and the report shall not be reproduced except in full. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.



Page 8 of 8

