

# GERBER KOREA LTD.

a member of  
GERBER GOLDSCHMIDT GROUP

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## GOGGLES

FOB Xiamen	USD TBA / pc
MOQ	5,000 pcs
Payment term	100% T/T before shipment
※ FDA, CE certificates and product test report included below	



### A101 Goggles

Clear PC lens  
100% UV block

封闭式全面防护 适合多种环境 镜框软胶设计  
贴合人脸轮廓  
PVC Frame  
Comprehensive protection, suitable for  
various environments, soft frame design  
to fits the face contour

可调节松紧带  
Adjustable elastic band

PC太空镜片 防冲击  
双面防雾 防飞溅  
PC Lens with double sides  
anti-fog treatment

Pls let us know your prospect order quantity, destination port or delivery address,  
so that we could quote the best CFR price for your reference.



Jiangsu Standard Testing & certification Co.Ltd  
B1 Building, Yuyang High-Tech Zone,  
Danyang City, Jiangsu, China.

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Mail: [standard@jsste.cn](mailto:standard@jsste.cn)  
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# Certificate of Conformity

No. CESTC2003001

**Applicant** : Zhangzhou Aojie Optical Technology Co.,Ltd.

**Address** : Wenpu Industrial Area Zhangzhou Taiwanese Investment Zone, Fujian, China 363107.

**Product** : Eye protector

**Model No.** : AJ-A101

The submitted sample has been tested according to the following European Regulation(s):  
**Regulation (EU) 2016/425 (Personal Protective Equipment)**

Standard(s) used for showing compliance with the essential requirements in the specified regulation(s) :

**EN 166:2001 Personal eye-protection-Specification**

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the specified European Regulation.

This verification does not imply assessment of the production of the product.

According to PPE, the CE marking of conformity, as shown below, must appear in a visible, legible and indelible form on the device, where practicable and appropriate, and on the instructions for use.



Authorized Signatory

*Hengy. Zhu*

*16/03/2020*

Executive Director

Without the written approval of Jiangsu Standard Testing & certification Co.Ltd., this certificate is not permitted to be reproduced, except in full. It is not permitted to use the test lab's logo.



## CERTIFICATE OF FDA REGISTRATION

Certification No.: CYTECH002

Dear Official Correspondent:

This document provides notification of the registration number assigned to your establishment:

Establishment: ZHANGZHOU AOJIE OPTICAL TECHNOLOGY CO.,LTD  
Address: Wenpu Industrial Estate, Zhangzhou Taiwanese Investment Zone  
Zhangzhou, Fujian, 363107, CHINA  
Owner/operator: 10050481  
Number: 3012381607  
Registration Number:

Listing Number	Premarket Submission Number	Product Code(s)	Device Name	Activities
D253934	Exempt	HQY	Sunglasses (non-prescription including photosensitive)	Manufacturer
D326354	Exempt	HQG	Lens, spectacle, non-custom (prescription)	Manufacturer

General Manager  
CTC REGISTRATION LLC  
Email: ctc-086@hotmail.com  
Web: www.ctc-086.com



Validity: Dec.31,2020

### Conclusion:

This certificate makes no other representations or warranties, nor does it make any representations and warranties to any person or entity other than the named certificate holder. CTC assumes no liability to any person or entity in connection with the foregoing. The U.S. Food and Drug Administration does not issue a certificate of registration, nor does the U.S. Food and Drug Administration recognize a certificate of registration. CTC is not affiliated with the U.S. Food and Drug Administration.

FDA Official Website: <https://www.fda.gov/>

CERTIFICATE

CERTIFICATE



江苏斯丹德检验认证有限公司  
Jiangsu standard testing & certification Co.,Ltd.

# Test Report

Report No. STC20030004E

Date: Mar.16,2020

Page 1 of 11

Applicant: Zhangzhou Aojie Optical Technology Co.,Ltd.

Applicant Add.: Wenpu Industrial Area Zhangzhou Taiwanese Investment Zone,Fujian,China  
363107

The following sample(s) was /were submitted and identified on behalf of the client:

Sample Name: Eye protector

Style/Item No.: AJ-A101

P.O./Ref. No.: AJ20200309

Trademark: --

Producer: Zhangzhou Aojie Optical Technology Co.,Ltd.

Buyer: --

Country of Origin: China

Country of Destination: --

Reception Date: Mar.07,2020

Inspection Date: Mar.07,2020~Mar.16,2020

Type of Test: Entrusted Test

Sample Quantity: 24 pairs

Standard Reference: See the report of Page 2

Sample Description: Optical Class 1

Inspection Conclusions: See the test results pages.

Remarks: --

江苏斯丹德检验认证有限公司

Jiangsu Standard Testing & Certification Co., Ltd.

Inspector

Reviewer

Authorized Signature

Jiankun Zhu 朱建坤

Approved Signatory

Note: The English test report is issued according to the applicant's request. The Chinese version is available from JSSTC if further needed.

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### 1.Standard Reference:

No.	Standard No.	Standard Item
1	EN 166:2001	Personal eye-protection-specifications
2	EN 167:2001	Personal eye-protection-Optical test methods
3	EN 168:2001	Personal eye-protection-Non-optical test methods

### 2.The test results are as follows:

No.	Test Item	Standard Item	Requirement	Test Number (pairs)	Measurement Result	Comments
1.1	General construction	EN 166 6.1	Eye-protectors shall be free from projections, sharp edges or other defects which are likely to cause discomfort or injury during use.	24	Meet	Pass
1.2	Materials	EN 166 6.2	No parts of the eye-protector which are in contact with the wearer shall be made of materials with are known to cause any skin irritation.	24	Meet	Pass
1.3	Headbands	EN 166 6.3	Headbands, when used as the principal means of retention, shall be at least 10 mm wide over any portion which may come into contact with the wearer's head. Headbands shall be adjustable or self-adjusting.	3	Meet	Pass

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No.	Test Item	Standard Item	Requirement	Test Number (pairs)	Measurement Result	Comments	
1.4	Field of vision	EN 166 7.1.1	The test shall be carried out in accordance with clause 18 of EN 168 :2001.The arrangement is rotated around axis A and the B so that the circumference of the ellipse is hit by the laser beam.Such a beam shall not be shielded by the frame of the eye-protectors.The test shall be done for both eyes.	3	Meet	Pass	
1.5	Spherical refractive power (m <sup>-1</sup> )	EN 166 7.1.2.1.2	±0.06m <sup>-1</sup>	3	Right:-0.01~0.00 Left:-0.01~0.00	Pass	
	Astigmatic refractive power (m <sup>-1</sup> )		≤0.06m <sup>-1</sup>		Right:0.04~0.05 Left:0.00~0.04	Pass	
	Difference in prismatic refractive power (cm/m)		Horizontal		Base out: ≤0.75cm/m	0.02~0.07	Pass
					Base in: ≤0.25cm/m	NA	
Vertical:≤0.25cm/m	0.00~0.01	Pass					

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No.	Test Item	Standard Item	Requirement	Test Number (pairs)	Measurement Result	Comments
1.6	The transmittance of oculars without filtering action (%)	EN 166 7.1.2.2.1	Oculars intended to protect the eyes against mechanical or chemical hazards only, and cover plates, shall have a luminous transmittance greater than 74.4% when measured as given in clause 6 of EN 167:2001	3	Right: 90.2~90.6 Left: 90.9	Pass
1.7	Diffusion of light (cd·m <sup>-2</sup> /lx)	EN 166 7.1.2.3	The diffusion of light shall be measured in accordance with one of the reference methods specified in clause 4 of EN167:2001.The maximum value of the reduced luminance factor shall be : 0.50cd·m <sup>-2</sup> /lx	3	Right:0.07~0.09 Left:0.05~0.09	Pass
1.8	Quality of material and surface	EN 166 7.1.3	Except for a marginal area 5 mm wide, oculars shall be free from any significant defects likely to impair vision in use. such as bubbles, scratches., inclusions,dull spots, pitting, mould marks, scouring, grains, pocking, scaling and undulation.The assessment shall be carried out in accordance with the method specified in clause 5 of EN 167:2001	3	Meet	Pass

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No.	Test Item	Standard Item	Requirement	Test Number (pairs)	Measurement Result	Comments
1.9	Minimum robustness	EN 166 7.1.4.1	<p>The requirement for minimum robustness is satisfied if the ocular withstands the application of a 22mm nominal diameter steel ball with a force of <math>(100\pm 2)N</math>, when tested in accordance with clause 4 of EN 168:2001.</p> <p>On so testing the following defects shall not occur:</p> <p>a) ocular fracture: an ocular shall be considered to have fractured if it cracks through its entire thickness into two or more pieces, or if more than 5 mg of the ocular material becomes detached from the surface away from the one in contact with the ball, or if the ball passes through the ocular;</p>	NA	NA	NA
			<p>b) ocular deformation: an ocular shall be considered to have been deformed if a mark appears on the white paper on the opposite side to the one on which the force is applied.</p>		NA	NA

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No.	Test Item	Standard Item	Requirement	Test Number (pairs)	Measurement Result	Comments
1.10	Increased robustness	EN 166 7.1.4.2	The test shall be in accordance with the method specified in 3.2 of EN 168:2001. On so testing the following defects shall not occur: a) ocular fracture: an ocular shall be considered to have fractured if it cracks through its entire thickness into two or more pieces, or if more than 5mg of the ocular material becomes detached from the surface away from the one struck by the ball, or if the ball passes through the ocular;	12	Meet	Pass
			b) ocular deformation: an ocular shall be considered to have been deformed if a mark appears on the white paper on the opposite side to that struck by the ball;		Meet	Pass
			c) ocular housing or frame fracture: an ocular housing or frame shall be considered to have failed if it separates into two or more pieces, or if it is no longer capable of holding an ocular in position, or if an unbroken ocular detaches from the frame, or if the ball pass through the housing or frame;		Meet	Pass
			d) lateral protection failure: the lateral protection shall be considered to have failed if it fractures through its entire thickness into two or more		Meet	Pass

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No.	Test Item	Standard Item	Requirement	Test Number (pairs)	Measurement Result	Comments
			separated pieces, or if one or more particles becomes detached from the surface remote from the impact point, or if it allows the ball to penetrate completely, or if it partially or totally detaches from the eye protector, or if its component parts become separated.			
1.11	Stability at an elevated temperature	EN 166 7.1.5.1	Assembled eye-protectors shall show no apparent deformation when tested by the method specified in clause 5 of EN168:2001	3	Meet	Pass
1.12	Resistance to ultraviolet radiation (oculars only)	EN 166 7.1.5.2	Oculars shall be subjected to the test for resistance to ultraviolet radiation in accordance with the method specified in clause 6 of EN 168:2001. At the end of the test, ocular shall meet the following requirements. a) The relative change of luminous transmittance shall not be greater than: $\pm 5\%$	3	Right: +0.1%~+0.8% Left: -0.1%~+0.3%	Pass
			b) The value of the reduced luminance factor shall not exceed the permissible limits given in 7.1.2.3. The value of the reduced luminance factor shall be : $\leq 0.50 \text{cd} \cdot \text{m}^{-2} / \text{lx}$		Right: 0.19~0.22 Left: 0.15~0.18	

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No.	Test Item	Standard Item	Requirement	Test Number (pairs)	Measurement Result	Comments
1.13	Resistance to corrosion	EN 166 7.1.6	After having undergone the test for resistance to corrosion specified in clause 8 of EN 168:2001, all metal parts of the eye-protector shall display smooth surface, free from corrosion, when they are examined by a trained observer.	NA	NA	NA
1.14	Resistance to ignition	EN 166 7.1.7	Eye-protectors shall be tested in accordance with the method specified in clause 7 of EN 168:2001 and shall be considered to be satisfactory if no part of the eye-protector ignites or continues to glow after removal of the steel rod.	3	Meet	Pass
1.15	Protection against droplets and splashes of liquids	EN 166 7.2.4	Eye-protectors for use against droplets(goggles) and splashes of liquids(face-shields) shall be tested in accordance with the methods specified in clause 12 of EN168:2001. The test results shall be considered to be satisfactory if: no pink or crimson colouration appears in the ocular regions defined by the two circles when assessing goggles for protection against droplets. No account shall be taken of any such colouration up to a distance of 6mm inside the edges of the eye-protector.	3	Meet	Pass

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No.	Test Item	Standard Item	Requirement	Test Number (pairs)	Measurement Result	Comments
1.16	Marking	EN 166 9	Ocular marking: See #1	24	Meet	Pass
			Frame marking: See #2			
1.17	Information supplied by the manufacturer	EN 166 10	See #3	24	Meet	Pass

Note: --= Not Provided, NA=Not applicable.

#1: The marking of ocular shall contain the relevant technical information presented as follows:

Scale number

Identification of the manufacture

Optical class(except for cover plates)

Symbol for mechanical strength(when applicable)

Symbol for resistance to short circuit Electric arc(when applicable)

Symbol for non-adherence of molten and resistance to penetration of hot solids(when applicable)

Symbol for resistance to surface damage by fine particles (when applicable)

Symbol for resistance to fogging of oculars (when applicable)

Symbol for enhanced reflectance (when applicable)

Symbol for original or replacement ocular (optional)

In addition,the ocular marking may include a mark to assist correct fitting of laminated oculars(See 9.2.11).

#2: The marking of frame shall contain the relevant technical information presented as follows:

Identification of the manufacture

The number of this standard

Field of use(when applicable)

Symbol for increased robustness/resistance to high speed particles/extremes of temperature(when applicable)

Symbol indicating that the eye-protector is designed to fit a small head(when applicable)

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Highest ocular scale number(s) compatible with the frame(where applicable)

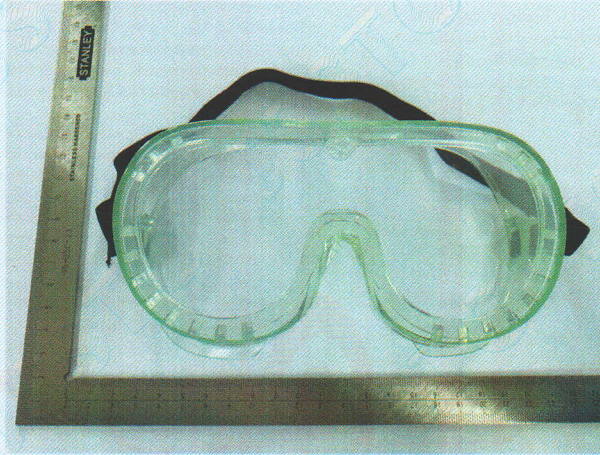
#3: The manufacturer shall provide with each eye-protector, replacement ocular and replacement frame at least the following information:

- a) name and address of the manufacture;
- b) the number of this standard;
- c) the eye-protector model identification;
- d) instructions of storage,use and maintenance;
- e) specific instructions for cleaning and disinfection;
- f) details of the field use, protection capabilities and performance characteristics;
- g) details of suitable accessories and spare parts.Instructions for fitting shall be included with the original eye-protector and/or with the spare part or accessory;
- h) the obsolescence deadline or period of obsolescence,if applicable, for the complete eye-protector and/or component parts;
- i) the type of packaging suitable for transport, if applicable;
- j) the significance of the marking on the frame and the ocular;
- k) a warning that optical class 3 oculars are not intended for long term use,if applicable;
- l) a warning concerning the compatibility of marking(see notes (4),(5) and (6) to Table 12);
- m) a warning that materials which may come into contact with the wearer's skin could cause allergic reactions to susceptible individuals;
- n) a warning that scratched or damaged oculars should be replaced;
- o) a warning that eye-protector against high speed particles worn over standard ophthalmic spectacles may transmit impacts, thus creating a hazard to the wearer;
- p) a note to instruct that if protection against high speed particles at extremes of temperature is required then the selected eye-protector should be marked with the letter T immediately after the impact letter, i.e. FT, BT or AT. If the impact letter is not followed by the letter T when the eye protector shall only be used against high speed particles at room temperature.

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Sample Photo



\*\*\* End of Report \*\*\*

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邮编：212300 电话：(86) - (511) 86585280 传真：(86) - (511) 86585280 网址：http://www.jsstc.cn  
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检测  
TESTING  
CNAS L10999

## Test Report

Number: SHAH01218368

Applicant: ZHANGZHOU AOJIE OPTICAL TECHNOLOGY  
CO., LTD  
WENPU INDUSTRIAL AREA ZHANGZHOU  
TAIWANESE INVESTMENT ZONE, ZHANGZHOU  
CITY, FUJIAN CHINA  
Attn: LYDIA

Date: 21 May, 2020

### Sample Description:

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

Item Name : EYE PROTECTOR.

Item No. : AJ-A101.

### Tests Conducted:

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

### Conclusion:

<u>Tested samples</u>	<u>Standard</u>	<u>Result</u>
Submitted samples	EN 166:2001 – Personal eye-protection — Specifications	Pass

To be continued

Prepared And Checked / Authorized By:

Sky Yu

Sky Yu  
Engineer





**Test Report**

Tests Conducted

Requirements for Personal Eye-protectors

Test standard: EN 166:2001 – Personal eye-protection — Specifications

Number of samples tested: Thirty-three (33) pairs.

Product type: Goggles

Claimed property:

Increased robustness

Protection against high-speed particles: F

Protection against droplets and splashes of liquids

Note:

- (1) The submitted eye-protectors were declared by applicant for Adult use.
- (2) The applicant's attention was drawn that the manufacturer should not use the materials which are known to cause any skin irritation
- (3) CE marking is not specified in EN 166:2001 but per Regulation (EU) 2016/425, Article 16 & Article 17, the CE marking shall be affixed visibly, legibly and indelibly to the product. The format of this CE marking was given in Annex II of Regulation (EC) No 765/2008.

It was found that the CE marking in the correct form was appeared on the submitted sample.

Clause	Requirement	Result
6	Design and manufacturing requirements	
6.1	General construction	P
6.2	Materials	Note (2)
6.3	Headbands	P
7	Basic, particular and optional requirements	
7.1	Basic requirements	
7.1.1	Field of vision	P
7.1.2.1	Spherical, astigmatic and prismatic refractive powers	
7.1.2.1.1	Unmounted oculars covering one eye	NA
7.1.2.1.2	Mounted oculars and unmounted oculars covering both eyes	P
7.1.2.1.3	Cover plates	NA
7.1.2.2	Transmittance	
7.1.2.2.1	Oculars without filtering action	P
7.1.2.2.2	Oculars with filtering action (filters) and housings for oculars with filtering action	NA
7.1.2.2.3	Variations in transmittance	NA
7.1.2.3	Diffusion of light	P
7.1.3	Quality of material and surface	P







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TESTING  
CNAS L10999

**Test Report**

Number: SHAH01218368

Tests Conducted

Clause	Requirement	Result
7.1.4	Robustness	
7.1.4.1	Minimum robustness	NA
7.1.4.2	Increased robustness	
7.1.4.2.1	Unmounted oculars	NA
7.1.4.2.2	Complete eye-protectors and frames	P
7.1.5	Resistance to ageing	
7.1.5.1	Stability at an elevated temperature	P
7.1.5.2	Resistance to ultraviolet radiation (oculars only)	P
7.1.6	Resistance to corrosion	NA
7.1.7	Resistance to ignition	P
7.2	Particular requirements	
7.2.1	Protection against optical radiation	NA
7.2.2	Protection against high-speed particles	P
7.2.3	Protection against molten metals and hot solids	NA
7.2.4	Protection against droplets and splashes of liquids	P
7.2.5	Protection against large dust particles	NA
7.2.6	Protection against gases and fine dust particles	NA
7.2.7	Protection against short circuit electric arc	NA
7.2.8	Lateral Protection	P
7.3	Optional requirements	
7.3.1	Resistance to surface damage by fine particles	NA (No claim)
7.3.2	Resistance to fogging of oculars	NA (No claim)
7.3.3	Oculars with enhanced reflectance in the infrared	NA (No claim)
7.3.4	Protection against high speed particles at extremes of temperature	NA (No claim)
9	Marking	
9.1	General	P#1 (Note 3)
9.2	Ocular marking	P
9.3	Frame marking	P
9.4	Marking of eye-protectors where the frame and ocular form a single unit	NA
10	Information supplied by the manufacturer	P#2

Abbreviation: P = Pass; NA = Not Applicable

\*\*\*\*\*

To be continued





Number: SHAH01218368

## Test Report

### Tests Conducted

Test data:

#### 7.1.2.1 Spherical, astigmatic and prismatic refractive powers

Optical power	Sample	Left ocular		Right ocular
Spherical power (m <sup>-1</sup> )	01	+0.02		+0.02
	02	+0.02		+0.02
	03	+0.01		+0.01
Astigmatic power (m <sup>-1</sup> )	01	0.02		0.01
	02	0.01		0.01
	03	0.00		0.00
Prismatic power Difference (cm/m)	Sample	Horizontal	Vertical	Base in/out
	01	0.05	0.01	Base out
	02	0.05	0.00	Base out
	03	0.05	0.00	Base out

The samples 01, 02 and 03 satisfied the requirements for optical class 1.

Requirement:

Optical class	Spherical power (D <sub>1</sub> +D <sub>2</sub> )/2 (m <sup>-1</sup> )	Astigmatic power   D <sub>1</sub> -D <sub>2</sub>   (m <sup>-1</sup> )	Prismatic power difference		
			Horizontal limit		Vertical limit cm/m
			Base out (cm/m)	Base in (cm/m)	
1	±0.06	0.06	0.75	0.25	0.25
2	±0.12	0.12	1.00	0.25	0.25
3	+0.12 -0.25	0.25	1.00	0.25	0.25

Note: D1 and D2 are the refractive powers in the two principal meridians. For optical class 3 the axes of the principal meridians shall be parallel within ±10°

#### 7.1.2.2.1 Transmittance - Oculars without filtering action

Range	Sample	Luminous transmittance (%)		Requirement (%)
		Left ocular	Right ocular	
380 - 780nm (τ <sub>v</sub> )	04	90.14	90.28	≥ 74.4
	05	90.37	90.33	
	06	90.20	90.48	

To be continued





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CNAS L10999

Number: SHAH01218368

**Test Report**

Tests Conducted

7.1.2.3 Diffusion of light

Sample	Reduced luminance factor (cd.m <sup>-2</sup> /lx)		Limit
	Left ocular	Right ocular	
04	0.12	0.11	Oculars used in eye-protectors against high speed particles: 0.75 cd.m <sup>-2</sup> /lx Other oculars: 0.50 cd.m <sup>-2</sup> /lx
05	0.13	0.16	
06	0.12	0.12	

7.1.5.2 Resistance to ultraviolet radiation

Sample	Relative change in luminous transmittance after irradiation (%)		Requirement (%)
	Left ocular	Right ocular	
04	-0.1	+0.3	< ±5 %
05	0.0	-0.5	
06	0.0	-0.1	

Sample	Reduced luminance factor after irradiation (cd.m <sup>-2</sup> /lx)		Limit
	Left ocular	Right ocular	
04	0.07	0.19	Oculars used in eye-protectors against high speed particles: 0.75 cd.m <sup>-2</sup> /lx Other oculars: 0.50 cd.m <sup>-2</sup> /lx
05	0.09	0.17	
06	0.05	0.07	

7.2.2 Protection against high-speed particles

Type of eye-protector	Impact speed of ball		
	Low energy impact(F) 45m/s	Medium energy impact(B) 120m/s	High energy impact(A) 190m/s
Goggles	Pass	Not applicable	Not applicable

Abbreviation:

≥ = More than or equal to

< = Less than

Remarks:

#1 - All marking on product was found clear.

#2 - All information was reviewed by artwork.

Date sample received : May 15, 2020

Testing period : May 15, 2020 To May 20, 2020

To be continued





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CNAS L10999

## Test Report

Number: SHAH01218368

### Tests Conducted



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End of report

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## Test Report

Number: SHAH01219216

Applicant: ZHANGZHOU AOJIE OPTICAL TECHNOLOGY  
CO., LTD  
WENPU INDUSTRIAL AREA ZHANGZHOU  
TAIWANESE INVESTMENT ZONE, ZHANGZHOU  
CITY, FUJIAN CHINA  
Attn: LYDIA

Date: 20 May, 2020

### Sample Description:

One (1) style of submitted sample said to be :  
Item Name : EYE PROTECTOR.  
Item No. : AJ-A101.

\*\*\*\*\*

### Tests Conducted:

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

\*\*\*\*\*

### Conclusion:

<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Tested component of submitted sample	Short-Chain Chlorinated Paraffins (C10~C13)(SCCPs) requirement in Regulation (EU) 2019/1021 on Persistent Organic Pollutants (POPs)	Pass
	Polycyclic Aromatic Hydrocarbons (PAHs) content in Annex XVII Item 50 of the REACH Regulation (EC) No. 1907/2006 & amendment (EU) No. 1272/2013	Pass
	Phthalates content requirement in Annex XVII Item 51 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & Amendment Commission Regulation (EU) 2018/2005 (formerly known as Directive 2005/84/EC)	Pass
	Organotin content requirement in Annex XVII item 20 of the Reach regulation (EC) No.1907/2006 & amendent (EU) No.276/2010	Pass
	Azocolourants Content Requirement In Annex XVII Item 43 Of The REACH Regulation (EC) NO. 1907/2006 & Amendment No. 552/2009 and 126/2013 (Formerly Known As Directive 2002/61/EC)	Pass
	Lead content requirement in Commission Regulation (EU) 2015/628 of 22 April 2015 Amending Annex XVII item 63 of the REACH Regulation (EC) No. 1907/2006	Pass

\*\*\*\*\*

To be continued

Authorized By:  
Intertek Testing Services Ltd, Shanghai, Wenzhou Branch



Peter Chen  
General Manager



**Test Report**

Number: SHAH01219216

Cadmium content requirement in Commission Regulation (EU) No. 494/2011 of 20 May 2011, (EU) No. 835/2012 of 18 September 2012 and (EU) No. 2016/217 of 16 February 2016 Amending Annex XVII Items 23 of the Reach Regulation (EC) No. 1907/2006

Pass  
(See remark#)

\*\*\*\*\*  
To be continued

Authorized By:  
Intertek Testing Services Ltd, Shanghai, Wenzhou Branch



Peter Chen  
General Manager



## Test Report

Number: SHAH01219216

### Tests Conducted

#### 1 Short-Chain Chlorinated Paraffins (C10~C13)(SCCPs) Content

By solvent extraction, determined by Gas Chromatography-Electron Capture Detector (GC-ECD) and Gas Chromatography-Negative Chemical Ionization-Mass Spectrometry (GC-NCI-MS).

<u>Tested Component</u>	<u>Result (%. w/w)</u>
(1)	ND
(2)	ND
(3)	ND
(4)	ND

#### Requirement:

Short Chain Chlorinated Paraffin's concentration should be lower than 0.15% in articles under Annex I Part A of the Regulation (EU) 2019/1021 on persistent organic pollutants (POPs).

Short Chain Chlorinated Paraffin's concentration should be lower than 1% in substances or mixtures under Annex I Part A of the Regulation (EU) 2019/1021 on persistent organic pollutants (POPs).

Remark: Detection Limit = 0.01% (w/w)  
ND = Not detected

Test item is tested in Intertek CNAS L3439.

Tested Components: See component list in the last section of this report.

Date sample received : May 18, 2020

Testing period : May 18, 2020 To May 20, 2020

\*\*\*\*\*  
To be continued

**Test Report**

Number: SHAH01219216

Tests Conducted

2 Polycyclic Aromatic Hydrocarbons (PAHs) Content

With reference to AfPS GS 2014:01 PAK, by solvent extraction and determined by Gas Chromatographic - Mass Spectrometry (GC/MS).

Toy for children /children care articles /other articles:

Compound	Result (mg/kg)				Requirement (mg/kg)
	(1)	(2)	(3)	(4)	(Max.)
Benzo(a)pyrene	ND	ND	ND	ND	1
Benzo(e)pyrene	ND	ND	ND	ND	1
Benzo(a)anthracene	ND	ND	ND	ND	1
Chrysene	ND	ND	ND	ND	1
Benzo(b)fluoranthene	ND	ND	ND	ND	1
Benzo(j)fluoranthene	ND	ND	ND	ND	1
Benzo(k)fluoranthene	ND	ND	ND	ND	1
Dibenzo(a,h)anthracene	ND	ND	ND	ND	1

Remark : The above limit was quoted according to Annex XVII Items 50 of the REACH Regulation (EC) No.1907/2006 & amendment (EU) No. 1272/2013 for Polycyclic Aromatic Hydrocarbons (PAHs).

ND = Not Detected  
 Detection limit = 0.2 mg/kg

Test item is tested in Intertek CNAS L3439.

Tested Components: See component list in the last section of this report.

Date sample received : May 18, 2020  
 Testing period : May 18, 2020 To May 20, 2020

\*\*\*\*\*  
 To be continued





**Test Report**

Number: SHAH01219216

Tests Conducted

3 Phthalate Content

With reference to ISO 8124-6: 2018 , by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Tested Compound	CAS No.	Result (%w/w)				Limit (%w/w)
		(1)	(2)	(3)	(4)	(Max.)
Dibutyl phthalate (DBP)	84-74-2	ND	ND	ND	ND	-
Diethyl hexyl phthalate (DEHP)	117-81-7	ND	ND	ND	ND	-
Benzyl butyl phthalate (BBP)	85-68-7	ND	ND	ND	ND	-
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	ND	ND	-
Sum of DBP,DEHP,BBP and DIBP	--	ND	ND	ND	ND	0.1

The above limit was quoted according to Annex XVII Item 51of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009& Amendment Commission Regulation (EU) 2018/2005 for phthalate content in articles.

Remark: Detection Limit = 0.01%(w/w)  
 ND = Not Detected

Tested Components: See component list in the last section of this report.

Date sample received : May 18, 2020  
 Testing period : May 18, 2020 To May 20, 2020

To be continued



**Test Report**

Number: SHAH01219216

Tests Conducted

4 Organotin Content

By solvent extraction, followed by Gas Chromatography - Mass Spectrometry (GC-MS) analysis.

(A) EEC regulated organotins

<u>Compound</u>	<u>Result (%. w/w) of tin</u>				<u>Requirement (%. w/w) of tin</u>
	(1)	(2)	(3)	(4)	
Tri-substituted Organotin <sup>®</sup>	ND	ND	ND	ND	0.1
Dibutyl tin (DBT)	ND	ND	ND	ND	0.1
Diocetyl tin (DOT)	ND	ND	ND	ND	0.1

Remark: The above requirement was quoted according to Annex XVII item 20 of the Reach regulation (EC) No.1907/2006 & amendent (EU) No.276/2010 for organotin content.

(B) Other Organotins

<u>Compound</u>	<u>Result (%. w/w) of tin</u>			
	(1)	(2)	(3)	(4)
Monobutyl tin (MBT)	ND	ND	ND	ND
Monooctyl tin (MOT)	ND	ND	ND	ND
Tetrabutyl tin (TeBT)	ND	ND	ND	ND

Remarks: Detection Limit = 0.001% (w/w) of tin

<sup>®</sup> = The reported value was calculated by summation of the values of Tri-butyltin, Tri-phenyltin, Tri-methyltin, Tri-octyltin, Tri-cyclohexyltin

ND = Not Detected

Test item is tested in Intertek CNAS L3439.

Tested Components: See component list in the last section of this report.

Date sample received : May 18, 2020

Testing period : May 18, 2020 To May 20, 2020

To be continued

**Test Report**

Number: SHAH01219216

Tests Conducted

5 Detection Of Amines Derived From Azocolourants and Azodyes:

By Gas Chromatographic - Mass Spectrometric (GC-MS) And High Performance Liquid Chromatographic (HPLC) Analysis.

Test Method: EN 14362-1: 2012 for Textile Material  
 EN ISO 17234-1: 2010 for Leather Material  
 EN 14362-3: 2012 & EN ISO 17234-2: 2011 for p-Aminoazobenzene

	<u>Forbidden</u>	<u>Cas No.</u>	<u>Result</u>
			(4)
1.	4-Aminodiphenyl	92-67-1	N
2.	Benzidine	92-87-5	N
3.	4-Chloro-o-Toluidine	95-69-2	N
4.	2-Naphthylamine	91-59-8	N
5.	o-Aminoazotoluene	97-56-3	N
6.	2-Amino-4-Nitrotoluene	99-55-8	N
7.	p-Chloroaniline	106-47-8	N
8.	2,4-Diaminoanisole	615-05-4	N
9.	4,4'-Diaminodiphenylmethane	101-77-9	N
10.	3,3'-Dichlorobenzidine	91-94-1	N
11.	3,3'-Dimethoxybenzidine	119-90-4	N
12.	3,3'-Dimethylbenzidine	119-93-7	N
13.	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	N
14.	p-Cresidine	120-71-8	N
15.	4,4'-Methylene-Bis(2-Chloroaniline)	101-14-4	N
16.	4,4'-Oxydianiline	101-80-4	N
17.	4,4'-Thiodianiline	139-65-1	N
18.	o-Toluidine	95-53-4	N
19.	2,4-Toluylenediamine	95-80-7	N
20.	2,4,5-Trimethylaniline	137-17-7	N
21.	o-Anisidine	90-04-0	N
22.	p-Aminoazobenzene	60-09-3	N

Remark: N = Not Detected  
 Detection Limit = 5 ppm  
 Requirement = 30 ppm (Max.)  
 ppm = Parts Per Million = mg/kg

Test item is tested in Intertek CNAS L3439.

Tested Components: See component list in the last section of this report.

Date sample received : May 18, 2020  
 Testing period : May 18, 2020 To May 20, 2020

\*\*\*\*\*  
 To be continued



**Test Report**

Number: SHAH01219216

Tests Conducted

6 Lead (Pb) Content

With reference to method IEC 62321-5:2013, microwave digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Components</u>	<u>Result (%)</u>	<u>Limit (%)</u>
(1)	ND	0.05
(2)	ND	0.05
(3)	ND	0.05
(4)	ND	0.05

Remark: ND = Not Detected  
Detection Limit = 0.001%

Tested Components: See component list in the last section of this report.

Date sample received : May 18, 2020  
Testing period : May 18, 2020 To May 20, 2020

\*\*\*\*\*  
To be continued



**Test Report**

Number: SHAH01219216

Tests Conducted

7 Cadmium (Cd) content

With reference to methods EN 1122 (Method B)/ IEC 62321:2008/ ISO 11885:2007, acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested components	Result in %
(1)	ND
(2)	ND
(3)	ND
(4)	ND#

Requirement:	
Category	Limit (%)
Paints with codes [3208] and [3209]	0.01
Paints with codes [3208] [3209] with a zinc content exceeding 10 % by weight of the paint	0.1
Painted article	0.1
Plastic	0.01
Metal parts of jewellery & hair accessories	0.01

Remark: % = Percentage based on dry weight of sample  
 ND = not Detected (<0.0005%)

# = The tested sample /component (4) was/were not paint, coating, plastic, metal in jewellery & brazing filler, but the testing results of tested sample /component (4) did not exceed the Cadmium content requirement in Commission Regulation (EU) No. 494/2011 of 20 May 2011, (EU) No. 835/2012 of 18 September 2012 and (EU) No. 2016/217 of 16 February 2016 Amending Annex XVII Items 23 of the Reach Regulation (EC) No. 1907/2006.

Tested Components: See component list in the last section of this report.

Date sample received : May 18, 2020  
 Testing period : May 18, 2020 To May 20, 2020

\*\*\*\*\*  
 To be continued



**Test Report**

Number: SHAH01219216

Tests Conducted



\*\*\*\*\*

Components List:

- (1) Transparent plastic (lens).
- (2) Transparent soft plastic (frame).
- (3) Transparent plastic (button on lens).
- (4) Black elastic string.

\*\*\*\*\*

End of report

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