

ACKNOWLEDGEMENT

确 认 信

Date / 日期: 22 May, 2020

To Whom It May Concern:
致有关人士:

This is to acknowledge: _____ has applied for services to **Intertek Testing Services Zhejiang Ltd.** and has completed test activities on below listed standards and/or regulation requirements:
兹确认: _____ 已经向**浙江天祥质量技术服务有限公司**申请测试服务, 并已经完成了以下标准和(或)法要求的测试:

Test / 测试	Intertek Report No. / 报告号码
EN 166:2001 Personal eye-protection – Specifications And related chemical requirements EN 166:2001 个人眼睛防护 – 规范 及相关化学要求	SHAH01216335 SHAH01219131

We acknowledged that the relevant testing reports and technical document under requirement of EU Type-Examination Certification for the mentioned product has been collected and was being passed to **ITS Testing Services (UK) Ltd (Notified Body No.: 0362)** for document review for the EU Type-Examination (module B) set out in Annex V of the PPE Regulation (Regulation (EU) 2016/425 on personal protective equipment).
我们确认, 根据上述产品的 EU 型式检验的认证要求, 相关测试报告和技术文件已被收集, 并正转交至合格评定机构 **ITS Testing Services (UK) Ltd (指定机构号: 0362)**, 用于欧盟 PPE 法规 (关于个体防护装备的法规(EU) 2016/425) 附件 V 中所规定的 EU 型式检验 (module B) 的文件审查。

For and on behalf of:
Intertek Testing Services Zhejiang Ltd.
浙江天祥质量技术服务有限公司 代表



Peter Chen
General Manager
总经理



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检测
TESTING
CNAS L10999

Test Report

Number: SHAH01216335

Applicant:

Date: 20 May, 2020

Attn:

Sample Description:

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

Item Name : Safety Goggles.

Item No. : WDS-2001.

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: Twenty-one (21) pairs.

Product type: Goggles

Claimed property:

Increased robustness

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
7.1.4	Robustness	





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Clause	Requirement	Result
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	NA
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	NA
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





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 ⁻¹)	01	+0.01		0.00
	02	0.00		0.00
	03	+0.01		0.00
Astigmatic power (m ⁻¹)	01	0.00		0.03
	02	0.00		0.00
	03	0.01		0.02
Prismatic power Difference (cm/m)	Sample	Horizontal	Vertical	Base in/out
	01	0.05	0.03	Base in
	02	0.03	0.01	Base out
	03	0.03	0.02	Base in

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

Requirement:

Optical class	Spherical power (D ₁ +D ₂)/2 (m ⁻¹)	Astigmatic power D ₁ -D ₂ (m ⁻¹)	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 _v)	04	96.63	97.54	≥ 74.4
	05	97.00	96.24	
	06	91.92	91.67	

7.1.2.3 Diffusion of light

Sample	Reduced luminance factor (cd.m ⁻² /lx)		Limit
	Left ocular	Right ocular	
04	0.22	0.13	Oculars used in eye-protectors against high speed particles: 0.75 cd.m ⁻² /lx Other oculars: 0.50 cd.m ⁻² /lx
05	0.11	0.18	
06	0.14	0.14	

To be continued





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Tests Conducted

7.1.5.2 Resistance to ultraviolet radiation

Sample	Relative change in luminous transmittance after irradiation (%)		Requirement (%)
	Left ocular	Right ocular	
04	-0.1	-0.2	< ±5 %
05	0.0	+0.7	
06	+0.3	0.0	

Sample	Reduced luminance factor after irradiation (cd.m ⁻² /lx)		Limit
	Left ocular	Right ocular	
04	0.05	0.05	Oculars used in eye-protectors against high speed particles: 0.75 cd.m ⁻² /lx Other oculars: 0.50 cd.m ⁻² /lx
05	0.08	0.05	
06	0.01	0.09	

Abbreviation:

≥ = More than or equal to

≤ = Less than or equal to

Remarks:

#1 - All marking on product was found clear.

#2 - All information on packing was reviewed.

Date sample received : May 15, 2020

Testing period : May 15, 2020 To May 20, 2019

To be continued



Test Report

Number: SHAH01216335

Tests Conducted



End of report

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Test Report

Number: SHAH01219131

Applicant:

Date: 22 May, 2020

Attn:

Sample Description:

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

Item Name : Safety Goggles.

Item No. : WDS-2001.

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	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
	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
	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 #)
	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: SHAH01219131

Organotin content requirement in Annex XVII item 20 of the Reach regulation (EC) No.1907/2006 & amendent (EU) No.276/2010 Pass

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

To be continued

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



Peter Chen
General Manager



Test Report

Number: SHAH01219131

Tests Conducted

1 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>
			(3)
1.	4-Aminodiphenyl	92-67-1	N
2.	Benidine	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 15, 2020
Testing period : May 15, 2020 To May 21, 2020

To be continued

Test Report

Number: SHAH01219131

Tests Conducted

2 Phthalate Content

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

Tested Compound	CAS No.	Result (%w/w)				Limit (%w/w) (Max.)
		(1)	(2)	(3)	(4)	
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 51 of the REACH Regulation (EC) No. 1907/2006 & Amendment No. 552/2009 & Amendment Commission Regulation (EU) 2018/2005 for phthalate content in articles.

For toys and childcare articles, DIBP limit was quoted from Commission Regulation (EU) 2018/2005 effective from 7 July 2020.

For non-toys and non-childcare articles, DBP, DEHP, BBP, DIBP limit was quoted from Commission Regulation (EU) 2018/2005 effective from 7 July 2020.

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 15, 2020

Testing period : May 15, 2020 To May 21, 2020

To be continued

Test Report

Number: SHAH01219131

Tests Conducted

3 Cadmium (Cd) content

With reference to methods IEC 62321:2008, 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: ND = not Detected (<0.0005%)

= The tested component (3) was not paint, coating, plastic, metal in jewellery & brazing filler, but the testing results of tested component (3) 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.

Test item is tested in Intertek CNAS L3439.

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

Date sample received : May 15, 2020

Testing period : May 15, 2020 To May 21, 2020

To be continued

Test Report

Number: SHAH01219131

Tests Conducted

4 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)	<0.002	0.05
(2)	<0.002	0.05
(3)	<0.002	0.05
(4)	<0.002	0.05

Remarks: Test item is tested in Intertek CNAS L3439.

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

Date sample received : May 15, 2020

Testing period : May 15, 2020 To May 21, 2020

To be continued



Test Report

Number: SHAH01219131

Tests Conducted

5 Organotin Content

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

(A) EEC regulated organotins

Compound	Result (%. w/w) of tin				Requirement (%. w/w) of tin
	(1)	(2)	(3)	(4)	
Tri-substituted Organotin [@]	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

Compound	Result (%. w/w) of tin			
	(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

[@] = 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 15, 2020

Testing period : May 15, 2020 To May 21, 2020

To be continued

Test Report

Number: SHAH01219131

Tests Conducted

6 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 15, 2020

Testing period : May 15, 2020 To May 21, 2020

To be continued

Test Report

Number: SHAH01219131

Tests Conducted

7 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).

other articles:

<u>Compound</u>	<u>Result (mg/kg)</u>				<u>Requirement (mg/kg)</u>
	(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 15, 2020
 Testing period : May 15, 2020 To May 21, 2020

 To be continued



Test Report

Number: SHAH01219131

Tests Conducted



Components List:

- (1) Transparent soft plastic.(frame)
- (2) Transparent plastic.(lens)
- (3) Black elastic.(bandage)
- (4) White plastic.(pore,screw)

End of report

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