

TEST REPORT

Applicant: KWIAT
ZLATOWRYH 51B/19
1164 SOFIA
BULGARIA

Number: HKGH0303285302

Date: Aug 02, 2023

Attn: EDYTA CWETKOW

Sample and Information provided by customer :
Item Name : **Sunglasses and Spectacle frame**
Quantity : 3 pairs per style
Country of Origin : China

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



Cindy I.K. Chan
Vice President



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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 :

<u>Requirement</u>	<u>Result</u>
(1) REACH Regulation (EC) No.1907/2006 , Annex XVII Item 63 & Commission regulation (EU) 2015/628 - Lead content requirement	Pass
(2) Regulation (EC) No. 1907/2006 on REACH Annex XVII as amended by Commission Regulation (EU) No. 835/2012 and Commission Regulation (EU) 2016/217 - Cadmium content requirement	Pass
(3) REACH Regulation (EC) no. 1907/2006, Annex XVII Item 51, amendment no. 552/2009 & 2018/2005 - Phthalate content	Pass
(4) REACH Regulation (EC) no. 1907/2006 & amendment (EU) no. 1272/2013 Annex XVII Item 50 - Polycyclic aromatic hydrocarbons content	Pass
(5) BS EN 16128: 2015 / EN 16128 : 2015 - Nickel Release Test for Spectacle Frames and Sunglasses	Not Applicable

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.qrd.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.



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(1) Lead (Pb) Content

Test Method : Lead content requirement in Commission regulation (EU) 2015/628 amending Annex XVII item 63 of the REACH regulation (EC) No. 1907/2006, acid digestion was used and total Lead content was determined by inductively coupled argon plasma spectrometry.

Lead Content:

Tested Component	Result in %, w/w	Limit in %, w/w
(1)	ND	0.05
(2/3/4)	ND	0.05
(5)	0.002	0.05
(6)	0.004	0.05

ND : Not detected (< 0.002%)

Tested Components:

- (1) Coatings (gold color, lacquer) on plastic (frame, temple of all style).
- (2) Transparent/ black plastic (frame of small style; frame, temples of large style).
- (3) Black/ white/ grey plastic (frame of large style).
- (4) Transparent plastic (lens of small style).
- (5) Silver color metal (hinge of large style).
- (6) Silver color metal (hinge of small style).

Date sample received : Jul 07, 2023

Test Period : Jul 07, 2023 to Jul 22, 2023



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(2) Cadmium (Cd) Content

Test Method : In House method TC008.TP. Acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in %, w/w	Limit in %, w/w
(1)	ND	0.1
(2/3/4)	ND	0.01

ND : Not detected (< 0.0005%)

The above limit was quoted according to Regulation (EC) No. 1907/2006 on REACH Annex XVII as amended by Commission Regulation (EU) No. 835/2012 and Commission Regulation (EU) 2016/217

Tested Components:

- (1) Coatings (gold color, lacquer) on plastic (frame, temple of all style).
- (2) Transparent/ black plastic (frame of small style; frame, temples of large style).
- (3) Black/ white/ grey plastic (frame of large style).
- (4) Transparent plastic (lens of small style).

Date sample received : Jul 07, 2023

Test Period : Jul 07, 2023 to Jul 22, 2023



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(3) Phthalate Content Test

Test Method : ISO 8124-6 : 2018 method A with internal standard calibration, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Compound	Result (% w/w)		Limit (% w/w)
	(1)	(2/3/4)	
Dibutyl phthalate (DBP)	<0.0100	<0.0100	--
Diethyl hexyl phthalate (DEHP)	<0.0100	<0.0100	--
Benzyl butyl phthalate (BBP)	<0.0100	<0.0100	--
Diisobutyl phthalate (DIBP)	<0.0100	<0.0100	--
Sum of DBP, DEHP, BBP & DIBP	<0.0100	<0.0100	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 & 2018/2005 for articles placed on the market.

Tested Components:

- (1) Coatings (gold color, lacquer) on plastic (frame, temple of all style).
- (2) Transparent/ black plastic (frame of small style; frame, temples of large style).
- (3) Black/ white/ grey plastic (frame of large style).
- (4) Transparent plastic (lens of small style).

Date sample received : Jul 07, 2023

Test Period : Jul 07, 2023 to Jul 24, 2023



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(4) Polycyclic Aromatic Hydrocarbons (PAH) Content

Test Method : The document AfPS GS 2019:01 PAK issued by the Federal Institute for Occupational Safety and Health, solvent extraction and determined by Gas Chromatographic - Mass Spectrometry (GC/MS).

Compound	Result (ppm)		Limit (ppm)
	(1)	(2/3/4)	
Benzo(a)pyrene	<0.20	<0.20	1
Benzo(e)pyrene	<0.20	<0.20	1
Benzo(a)anthracene	<0.20	<0.20	1
Chrysene	<0.20	<0.20	1
Benzo(b)fluoranthene	<0.20	<0.20	1
Benzo(j)fluoranthene	<0.20	<0.20	1
Benzo(k)fluoranthene	<0.20	<0.20	1
Dibenzo(a,h)anthracene	<0.20	<0.20	1

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 (PAH).

ppm = parts per million = mg/kg

Tested Components:

- (1) Coatings (gold color, lacquer) on plastic (frame, temple of all style).
- (2) Transparent/ black plastic (frame of small style; frame, temples of large style).
- (3) Black/ white/ grey plastic (frame of large style).
- (4) Transparent plastic (lens of small style).

Date sample received : Jul 07, 2023

Test Period : Jul 07, 2023 to Jul 24, 2023



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(5) Nickel Release Test for Spectacle Frames and Sunglasses

Assessment: Not Applicable

Date sample received : Jul 07, 2023

Testing period : Jul 07, 2023 to Jul 11, 2023

End of report

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