

**Test Report**

Number: SHAH01155449

Applicant: WENZHOU OUTLOOK OPTICAL CO., LTD  
12 SHENGYE RD., LUCHENG SPECIALIZED, LIGH  
INDUSTRIAL PARK WENZHOU ZHEJIANG  
Attn: BRUCE

Date: 29 Oct, 2019

**Sample Description:**

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

Item Name : Truegrass sunglasses.  
Supplier : WENZHOU OUTLOOK OPTICAL CO., LTD.  
Country Of Origin : CHINA.

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**Tests Conducted:**

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

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**Conclusion:**

<u>Tested Sample</u>	<u>Standard</u>	<u>Result</u>
Tested component of submitted sample	Total Lead Content	Pass
	Total Cadmium Content	Pass
	Client's requirement on Phthalate content	Pass
	EN 71-3:2019 on migration of certain elements	See comment 1
	U.S. Consumer Product Safety Improvement Act 2008 title I, section 101 for total Lead content in non-surface coating materials (substrate)	See comment 2

**Comment:**

1. The testing scope of the following standard was not applicable to the submitted samples. However, the test result of the component (1) met the related requirements as stated in this report.

2. The testing scope of the standard (CPSIA) was not applicable to the submitted sample. However the result did not exceed the limit of the standard.

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To be continued

Authorized By:

Intertek Testing Services Ltd, Shanghai, Wenzhou Branch



Peter Chen  
General Manager



**Test Report**

Number: SHAH01155449

Tests Conducted

1 Total Lead (Pb) Content

As per client's request, acid digestion method was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Requirement (ppm)</u>
(1)	<10	100

Remark: ppm = Parts per million = mg/kg

Test item is tested in Intertek CNAS L0139.

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

Date sample received : Oct.22, 2019

Testing period : Oct.22, 2019 To Oct.28, 2019

2 Total Cadmium (Cd) Content

As per client's request, acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Requirement (ppm)</u>
(1)	<5	100

Remark: ppm = Parts per million = mg/kg

Test item is tested in Intertek CNAS L0139.

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

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To be continued



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Number: SHAH01155449

### Tests Conducted

#### 3 Phthalate Content Test

With reference to EN 14372, by Gas Chromatography-Mass Spectrometry (GC-MS) analysis.

Tested Compound	Cas No.	Result (mg/kg)	Requirement (mg/kg)
		(1)	(Max.)
Di-butyl phthalate (DBP)	84-74-2	ND	1000
Di(2-ethyl hexyl) phthalate(DEHP)	117-81-7	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	ND	1000
Di-iso-nonyl phthalate (DINP)	28553-12-0	ND	1000
Di-n-octyl phthalate (DNOP)	117-84-0	ND	1000
Di-iso-decyl phthalate (DIDP)	26761-40-0	ND	1000
Di-n-hexyl phthalate (DnHP/DHEXP)	84-75-3	ND	1000
Di-iso-butyl phthalate (DIBP)	84-69-5	ND	1000
Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	ND	1000
Di-iso-pentyl phthalate (DIPP)	605-50-5	ND	1000
Di-n-pentyl phthalate (DnPP/DPENP)	131-18-0	ND	1000
n-Pentyl-iso-pentyl phthalate	776297-69-9	ND	1000
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	ND	1000
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	ND	1000
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	ND	1000
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	ND	1000
1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq$ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5; 68648-93-1	ND	1000
Di-cyclohexyl phthalate (DCHP)	84-61-7	ND	1000
Di-ethyl phthalate (DEP)	84-66-2	ND	1000
Di-nonyl phthalate (DNP)	84-76-4	ND	1000
Di-methyl phthalate (DMP)	131-11-3	ND	1000
Di-propyl phthalate (DPrP)	131-16-8	ND	1000
Di-(iso-octyl) phthalate (DIOP)	27554-26-3	ND	1000
Di-iso-hexyl phthalate (DIHxP)	71850-09-4	ND	1000

Remark: Detection Limit = 100mg/kg

ND = Not Detected

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

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To be continued

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Number: SHAH01155449

Tests Conducted

4 19 Toxic Elements Migration Test

(A) Test Result

With reference to EN 71-3:2019 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry, and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

<u>Element</u>	<u>Result (mg/kg)</u>	<u>Limit (mg/kg)</u>
	(1)	
Aluminium (Al)	< 300	70000
Antimony (Sb)	< 10	560
Arsenic (As)	< 10	47
Barium (Ba)	< 10	18750
Boron (B)	< 50	15000
Cadmium (Cd)	< 5	17
Chromium (III) (Cr III) ++	< 10	460
Chromium (VI) (Cr VI) ++	< 0.025	0.053©
Cobalt (Co)	< 10	130
Copper (Cu)	< 10	7700
Lead (Pb)	< 10	23
Manganese (Mn)	< 10	15000
Mercury (Hg)	< 10	94
Nickel (Ni)	< 10	930
Selenium (Se)	< 10	460
Strontium (Sr)	< 100	56000
Tin (Sn)	< 10	180000
Organic tin ++	< 3.0	12
Zinc (Zn)	< 100	46000

Remark: mg/kg = Milligram per kilogram

++ = Unless the test results were marked with "#" or "Δ", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.

- Organic tin test result was expressed as tributyl tin.

© = The new chromium (VI) migration limit [0.053mg/kg for Category (III)] was quoted from directive (EU) 2018/725 amending 2009/48/EC effective from 18 November 2019.

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

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To be continued

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(B) Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays and plaster).

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

Category III: Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone, leather and other materials).

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To be continued

**Test Report**

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Tests Conducted

5 Total Lead (Pb) Content In Non-Surface Coating Materials (Substrate)

With reference to standard operating procedures for determining total Lead (Pb) in children's products, test method CPSC-CH-E1002-08.3 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

<u>Tested Component</u>	<u>Result (ppm)</u>	<u>Limit (ppm)</u>
(1)	<10	100

Remark: ppm = Parts per million = mg/kg

Test item is tested in Intertek CNAS L0139.

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

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**Test Report**

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**Tests Conducted**



**Component List:**

- (1) Beige Grass Fiber (Frame, Temple)

End of report

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