



Test Report

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Applicant : Shenzhen Idea Light Limited

Address : 3rd Floor, Block B, Shengdelan Industry Park, Guanlan, Longhua District,
Shenzhen, Guangdong Province, China, 518110

Name of sample : Laser Facial Mask

Receiving Date : Jul. 11, 2025

Test Date : Jul. 11, 2025-Jul. 18, 2025

Test Address : No.47-3, Industrial Road, Zhushan, Dalong Street, Panyu District,
Guangzhou, Guangdong, China

Test Method(s) : Please refer to "Test Results"

Test Item(s) : Pb, Cd, Hg, Cr (VI), PBBs, PBDEs, DEHP, DBP, BBP, DIBP

Decision Basis : RoHS Directive-2011/65/EU and Amendment (EU) 2015/863

Conclusion : Pass

Signed for and on behalf of
Shenzhen United Testing Technology Co.,Ltd

Lu Yuanlin

Lu Yuanlin
Edited by

Cheng Min

Cheng Min
Reviewed by

Mo Yueqiu

Mo Yueqiu
Approved by

Aug. 06, 2025

Issue Date



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1、 Conclusion

This sample(s) was tested according to applicant requirements. According to the test results, the conclusions are as follows:

Test Item(s)	Test Method(s)	Decision Basis	Conclusion
(Pb), (Cd), (Hg), (Cr), (Br)	IEC 62321-3-1:2013	RoHS Directive-2011/65/EU and Amendment (EU) 2015/863	Pass
(Hg)	IEC 62321-4:2013 +A1:2017		Pass
(Pb), (Cd)	IEC 62321-5:2013		Pass
(PBBs), (PBDEs)	IEC 62321-6:2015		Pass
Cr (VI)	IEC 62321-7-1:2015 IEC 62321-7-2:2017		Pass
(DEHP), (DBP), (BBP), (DIBP)	IEC 62321-8:2017		Pass

2、 Sample information(s)

The following information of sample(s) was/were submitted and identified by applicant:

Product Model : TLM300-L, TLM300

Manufacturer : Shenzhen Idea Light Limited

Manufacturer Address : 3rd Floor, Block B, Shengdelan Industry Park, Guanlan, Longhua District, Shenzhen, Guangdong Province, China, 518110

3、Test Part Description

The sample(s) was/were disassembled according to IEC 62321-2:2021.

No.	Description	Material
M001	Data line - White wire sleeve	Rubber
M002	Data line - White wire	Rubber
M003	Light brown coating	Coating
M004	Black plastic	Plastic
M005	Black leather	Leather
M006	Light brown rubber	Rubber
M007	Grey Velcro	Polymer
M008	Transparent rubber	Rubber
M009	Silver screw	Metal
M010	Grey wire	Rubber
M011	Silver wire core	Metal
M012	White plastic	Plastic
M013	Silver pins	Metal
M014	Black film	Plastic
M015	Black PCB	Composite material
M016	White LED	Composite material
M017	Green PCB	Composite material
M018	Black IC	Composite material
M019	Black transistor	Composite material
M020	SMT capacitor	Composite material

Notes:

- 1.This table is used to identify each test part of the Sample. Different descriptions in the "Description" column are only used to distinguish each test part. "Material" column are only gives a simple Description of the material of each test part, which does not mean that this is the result of a material identification.
- 2.The test articles (parts/material) is specified by the applicant.

4、Test Results

4.1 The method detection limit (MDL, mg/kg) for each element is as follows:

Test Item(s)	(Pb)	(Cd)	(Hg)	(Cr)	(Br)
MDL	10	10	10	10	50

The screening range of XRF for each element in different materials is as follows (mg/kg):

Element	Polymers	Metals	Composite material
(Pb)	$BL \leq (700-3\delta) < X < (1300+3\delta) \leq OL$	$BL \leq (700-3\delta) < X < (1300+3\delta) \leq OL$	$BL \leq (500-3\delta) < X < (1500+3\delta) \leq OL$
(Cd)	$BL \leq (70-3\delta) < X < (130+3\delta) \leq OL$	$BL \leq (70-3\delta) < X < (130+3\delta) \leq OL$	$MDL < X < (150+3\delta) \leq OL$
(Hg)	$BL \leq (700-3\delta) < X < (1300+3\delta) \leq OL$	$BL \leq (700-3\delta) < X < (1300+3\delta) \leq OL$	$BL \leq (500-3\delta) < X < (1500+3\delta) \leq OL$
(Cr)	$BL \leq 700-3\delta < X$	$BL \leq 700-3\delta < X$	$BL \leq 500-3\delta < X$
(Br)	$BL \leq 300-3\delta < X$	--	$BL \leq 250-3\delta < X$

Notes:

- It is the result on total Br while test on Restricted Substances is PBBs/PBDEs, It is result on total Cr while test item on restricted Substances is Cr(VI).
- Result are obtained by XRF for primary screening, and further chemical testing by ICP(for Cd, Pb, Hg), UV-VIS(for Cr(VI)), and GC-MS(for PBBs, PBDEs, DEHP, DBP, BBP, DIBP) is recommended to be performed, if the concentration Exceeds the below warning value according to IEC 62321(unit: mg/kg).
- BL= Below limit, OL= Over Limit, IN=Inconclusive, LOD=Limit of Detection
- The XRF Screening test for RoHS elements- the reading may be different to the actual content in the Sample be of non-uniformity composition.
- With reference to RoHS Directive 2011/65/EU and Amendment (EU) 2015/863 , The limit of Cadmium is 100 ppm , limit of lead is 1000 ppm, limit of Metal mercury 1000 ppm, limit of Hexavalent chromium is 1000 ppm, limit of PBBs are 1000 ppm, limit of PBDEs are 1000 ppm.The limit of DEHP, DBP, BBP and DIBP $\leq$ 1000mg/kg (0.1%).
- " δ " is the standard deviation of analysis results.
- According to IEC 62321, result on Cr(VI) for metal sample is show as Positive/Negative, Negative= Absence of Cr(VI); Positive= Presence of Cr(VI) .
- The testing method for DEHP, DBP, BBP, DIBP is IEC 62321-8:2017.



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Part No.	Test Substance	Results of EDXRF(mg/kg)	Results of Wet Chemical Testing(mg/kg)	MDL(mg/kg)	Verdict
M001	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	86	50	Pass
	Dibutyl Phthalate (DBP)	--	67	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass
M002	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	67	50	Pass
	Benzylbutyl Phthalate (BBP)	--	92	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass



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Part No.	Test Substance	Results of EDXRF(mg/kg)	Results of Wet Chemical Testing(mg/kg)	MDL(mg/kg)	Verdict
M003	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
M004	Diisobutyl phthalate (DIBP)	--	ND	50	Pass
	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass



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Part No.	Test Substance	Results of EDXRF(mg/kg)	Results of Wet Chemical Testing(mg/kg)	MDL(mg/kg)	Verdict
M005	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	9.7×10 ³	ND	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass
M006	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	418	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	188	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass



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Part No.	Test Substance	Results of EDXRF(mg/kg)	Results of Wet Chemical Testing(mg/kg)	MDL(mg/kg)	Verdict
M007	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	756	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	214	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass
M008	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	68	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass



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Part No.	Test Substance	Results of EDXRF(mg/kg)	Results of Wet Chemical Testing(mg/kg)	MDL(mg/kg)	Verdict
M009	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	ND	Negative	--	Pass
	(PBBs)	--	--	--	NA
	(PBDEs)	--	--	--	NA
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	--	--	NA
	Benzylbutyl Phthalate (BBP)	--	--	--	NA
	Dibutyl Phthalate (DBP)	--	--	--	NA
	Diisobutyl phthalate (DIBP)	--	--	--	NA
M010	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	90	50	Pass
	Benzylbutyl Phthalate (BBP)	--	132	50	Pass
	Dibutyl Phthalate (DBP)	--	84	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass



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Part No.	Test Substance	Results of EDXRF(mg/kg)	Results of Wet Chemical Testing(mg/kg)	MDL(mg/kg)	Verdict
M011	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	ND	Negative	--	Pass
	(PBBs)	--	--	--	NA
	(PBDEs)	--	--	--	NA
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	--	--	NA
	Benzylbutyl Phthalate (BBP)	--	--	--	NA
	Dibutyl Phthalate (DBP)	--	--	--	NA
	Diisobutyl phthalate (DIBP)	--	--	--	NA
M012	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass

Part No.	Test Substance	Results of EDXRF(mg/kg)	Results of Wet Chemical Testing(mg/kg)	MDL(mg/kg)	Verdict
M013	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	ND	Negative	--	Pass
	(PBBs)	--	--	--	NA
	(PBDEs)	--	--	--	NA
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	--	--	NA
	Benzylbutyl Phthalate (BBP)	--	--	--	NA
	Dibutyl Phthalate (DBP)	--	--	--	NA
	Diisobutyl phthalate (DIBP)	--	--	--	NA
M014	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass



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Part No.	Test Substance	Results of EDXRF(mg/kg)	Results of Wet Chemical Testing(mg/kg)	MDL(mg/kg)	Verdict
M015	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
M016	Diisobutyl phthalate (DIBP)	--	ND	50	Pass
	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass



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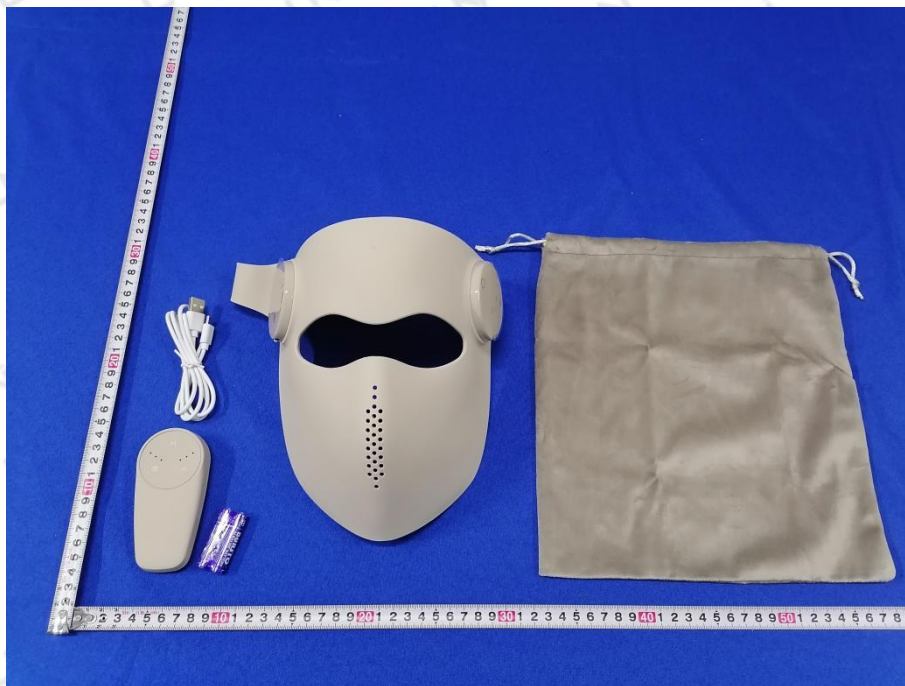
Part No.	Test Substance	Results of EDXRF(mg/kg)	Results of Wet Chemical Testing(mg/kg)	MDL(mg/kg)	Verdict
M017	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass
M018	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass

Part No.	Test Substance	Results of EDXRF(mg/kg)	Results of Wet Chemical Testing(mg/kg)	MDL(mg/kg)	Verdict
M019	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
M020	Diisobutyl phthalate (DIBP)	--	ND	50	Pass
	(Cd)	ND	--	10	Pass
	(Pb)	ND	--	10	Pass
	(Hg)	ND	--	10	Pass
	(Cr ⁶⁺)	ND	--	10	Pass
	(PBBs)	ND	--	50	Pass
	(PBDEs)	ND	--	50	Pass
	Di-(2-ethylhexyl) Phthalate (DEHP)	--	ND	50	Pass
	Benzylbutyl Phthalate (BBP)	--	ND	50	Pass
	Dibutyl Phthalate (DBP)	--	ND	50	Pass
	Diisobutyl phthalate (DIBP)	--	ND	50	Pass

Remarks:

- 1) 1mg/kg = 0.0001%
- 2) ND= Not Detected(<MDL)
- 3) "--" =No Testing or blank.
- 4) NA= Not Applicable

5、Sample Photo(s)



Sample pictures are only used to inform the applicant that the samples received and tested in our laboratory are shown in the picture.

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

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