





TEST REPORT

Applicant

: Shenzhen Amao Industrial Co., Ltd

Address

603#,6/F, Building 2, LianJian Industrial Park, Huarong Road, Longhua,

Shenzhen, Guangdong, China

Report on the submitted samples said to be:

Sample Name(s)

AMAOE Paste Flux

Trade Mark

: N/A

Tested Model No.

: M50

Model List##

: M52, M53, M54

Sample Received Date : September 29, 2025

Testing Period

September 29, 2025 ~ October 14, 2025

Date of Report

: October 14, 2025

Testing Location

901, No.40 Building, Xialang Industrial Zone, Heshuikou Community,

Matian Street, Guangming District, Shenzhen, Guangdong, China

Results

Please refer to next page(s).

TEST REQUEST	CONCLUSION
As specified by client, based on the performed tests on submitted sample, the result of Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), PBBs, PBDEs, Dibutyl Phthalate(DBP), Butylbenzyl Phthalate(BBP), Di-2-ethylhexyl Phthalate(DEHP) and Diisobutyl phthalate(DIBP) content comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.	PASS

##=According to client's declaration, tested material would be produced as relevant product(s).

Signed for and on behalf of LCS

Yin Dong



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 901, No.40 Building, Xialang Industrial Zone, Heshuikou Community, Matian Street, Guangming District, Shenzhen, Guangdong, China

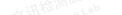


A. EU RoHS Directive 2011/65/EU and its amendment directives

Test method: Refer to IEC 62321-3-1:2013, Screening by X-ray Fluorescence Spectroscopy (XRF).

Test result(s):

Comple	Cample	Screening Result(s)						Date of sample
Sample No.	Sample Description	Cd	Pb	Hg	Cr▼	В	r▼	submission/
110.	Description		10	ng	Cr	PBBs	PBDEs	Resubmission
1	Transparent hard plastic	BL	BL	BL	BL	BL	BL	2025-09-29
2	Label paper	BL	BL	BL	BL	BL	BL	2025-09-29
3	Milk white hard plastic	BL	BL	BL	BL	BL	BL	2025-09-29
4	Milk white hard plastic	BL	BL	BL	BL	BL	BL	2025-09-29
5	Glue	BL	BL	BL	BL	BL	BL	2025-09-29
6	Milk white hard plastic	BL	BL	BL	BL	BL	BL	2025-09-29
7	Silver metal needle	BL	X	BL	X	/	/	2025-09-29
8	Beige hard plastic	BL	BL	BL	BL	BL	BL	2025-09-29
9	Purple hard plastic	BL	BL	BL	BL	BL	BL	2025-09-29
10	Black metal screw	BL	BL	BL	BL	加岭份	/	2025-09-29
TIN	Red metal	BL	ng BL	BL	BL	estin/a Lab	/	2025-09-29
12	Red metal	BL	BL	BL	BL	/	/	2025-09-29
13	Magnet	BL	BL	BL	BL	/	/	2025-09-29
14	Double-sided tape	BL	BL	BL	BL	BL	BL	2025-09-29
15	Orange hard plastic	BL	BL	BL	BL	BL	BL	2025-09-29
16	Orange hard plastic	BL	BL	BL	BL	BL	BL	2025-09-29
17	Glue	BL	BL	BL	BL	BL	BL	2025-09-29
18	Green hard plastic	BL	BL	BL	BL	BL	BL	2025-09-29





1. Results were 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) are recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1:2013(Unit: mg/kg).

Element	Polymers	Metals	Composite material
Cd	BL≤(70-3σ) <x<(130+3σ)≤ol< td=""><td>BL≤(70-3σ)<x<(130+3σ)≤ol< td=""><td>LOD<x<(150+3σ)≤ol< td=""></x<(150+3σ)≤ol<></td></x<(130+3σ)≤ol<></td></x<(130+3σ)≤ol<>	BL≤(70-3σ) <x<(130+3σ)≤ol< td=""><td>LOD<x<(150+3σ)≤ol< td=""></x<(150+3σ)≤ol<></td></x<(130+3σ)≤ol<>	LOD <x<(150+3σ)≤ol< td=""></x<(150+3σ)≤ol<>
Pb	BL≤(700-3σ) <x<(1300+3σ)≤ol< td=""><td>BL≤(700-3σ)<x<(1300+3σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<></td></x<(1300+3σ)≤ol<></td></x<(1300+3σ)≤ol<>	BL≤(700-3σ) <x<(1300+3σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<></td></x<(1300+3σ)≤ol<>	BL≤(500-3σ) <x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<>
Hg	BL≤(700-3σ) <x<(1300+3σ)≤ol< td=""><td>BL≤(700-3σ)<x<(1300+3σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<></td></x<(1300+3σ)≤ol<></td></x<(1300+3σ)≤ol<>	BL≤(700-3σ) <x<(1300+3σ)≤ol< td=""><td>BL≤(500-3σ)<x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<></td></x<(1300+3σ)≤ol<>	BL≤(500-3σ) <x<(1500+3σ)≤ol< td=""></x<(1500+3σ)≤ol<>
Cr	BL≤(700-3σ) <x< td=""><td>BL≤(700-3σ)<x< td=""><td>BL≤(500-3σ)<x< td=""></x<></td></x<></td></x<>	BL≤(700-3σ) <x< td=""><td>BL≤(500-3σ)<x< td=""></x<></td></x<>	BL≤(500-3σ) <x< td=""></x<>
Br	BL≤(300-3σ) <x< td=""><td>N/A</td><td>BL≤(250-3σ)<x< td=""></x<></td></x<>	N/A	BL≤(250-3σ) <x< td=""></x<>

Remark:

- BL= Below Limit
- OL= Over Limit
- X= The range of needing to do further testing
- 3σ = The reproducibility of analytical instruments
- N/A= Not applicable
- LOD= Detection limit
- 2. The XRF screening test for RoHS elements The reading may be different to the actual content in the sample be of non-uniformity composition.
- 3. The maximum permissible limit is quoted from the document RoHS Directive 2011/65/EU with amendment (EU) 2015/863.
- 4. ▼=For restricted substances PBBs and PBDEs, the results show the total Br content, the restricted substance was Cr(VI), and the results showed the total Cr content.







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RoHS Restricted Substances	Maximum Concentration Value (mg/kg) (by weight in homogenous materials)		
Cadmium(Cd)	100		
Lead(Pb)	1000		
Mercury(Hg)	1000		
Hexavalent Chromium(Cr(VI))	1000		
Polybrominated biphenyls(PBBs)	1000		
Polybrominated diphenylethers(PBDEs)	1000		
Dibutyl Phthalate(DBP)	1000		
Butylbenzyl Phthalate(BBP)	1000 I I I I Lab		
Di-(2-ethylhexyl) Phthalate(DEHP)	1000		
Diisobutyl phthalate(DIBP)	1000		

Disclaimers:

This XRF Screening report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes. The result shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.

B. EU RoHS Directive 2011/65/EU with amendment (EU) 2015/863 on Lead(Pb), Chromium(Cr(VI)), DBP, BBP, DEHP & DIBP content

Test method:

Lead(Pb) Content:

Refer to IEC 62321-5:2013, by acid digestion and analysis was performed by inductively coupled plasma optical emission spectrometer (ICP-OES) or atomic absorption spectrometer (AAS).

Hexavalent Chromium(Cr(VI)) Content:

Refer to IEC 62321-7-1:2015 or IEC 62321-7-2:2017, analysis was performed by UV-visible spectrophotometer (UV-Vis).

Phthalates(DBP, BBP, DEHP &DIBP) Content:

Shenzhen, Guangdong, China

Refer to IEC 62321-8:2017, by solvent extraction and analysis was performed by gas chromatography-mass spectrometer (GC-MS).

Test result(s):

1) Lead(Pb)

Tested Item	MDL (mg/kg)	Test Result(s) (mg/kg) 7	Limit (mg/kg)
Lead(Pb) Content	5	N.D.	1000

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2) Hexavalent Chromium(Cr(VI)(for coating on metal- water-extraction**)

Tostad Itam	MDL	Test Result(s)
Tested Item	(μg/cm ²)	7
Hexavalent Chromium(Cr(VI)) Content★	0.10 (LOQ)	Negative

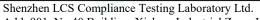
3) Phthalates(DBP, BBP, DEHP &DIBP)

Tested Item(s)	MDL	Test Result(s) (mg/kg)				Limit
Tested Item(s)	(mg/kg)	g(f) 1	2	3	4	(mg/kg)
Dibutyl Phthalate(DBP) Content	50	N.D.	N.D.	N.D.	N.D.	1000
Butylbenzyl Phthalate(BBP) Content	50	N.D.	N.D.	N.D.	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP) Content	50	N.D.	N.D.	N.D.	N.D.	1000
Diisobutyl phthalate(DIBP) Content	50	N.D.	N.D.	N.D.	N.D.	1000

Tested Item(s)	MDL	Test Result(s) (mg/kg)				Limit
rested rem(s)	(mg/kg)	5	6	8	9	(mg/kg)
Dibutyl Phthalate(DBP) Content	50	N.D.	N.D.	N.D.	N.D.	1000
Butylbenzyl Phthalate(BBP) Content	50	N.D.	N.D.	N.D.	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP) Content	50	N.D.	N.D.	N.D.	N.D.	1000
Diisobutyl phthalate(DIBP) Content	50	N.D.	N.D.	N.D.	N.D.	1000

Tested Item(s)	Test Result(s) MDL (mg/kg)					Limit
resteu rem(s)	(mg/kg)	14	15	16	17	(mg/kg)
Dibutyl Phthalate(DBP) Content	50	N.D.	N.D.	N.D.	N.D.	1000
Butylbenzyl Phthalate(BBP) Content	50	N.D.	N.D.	N.D.	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP) Content	50	N.D.	N.D.	N.D.	N.D.	1000
Diisobutyl phthalate(DIBP) Content	50	N.D.	N.D.	N.D.	N.D.	1000

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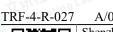


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Tested Item(s)	MDL	Test Result(s) (mg/kg)	Limit	
(.)	(mg/kg)	18	(mg/kg)	
Dibutyl Phthalate(DBP) Content	50	N.D.	1000	
Butylbenzyl Phthalate(BBP) Content	50	N.D.	1000	
Di-(2-ethylhexyl) Phthalate(DEHP) Content	50	N.D.	1000	
Diisobutyl phthalate(DIBP) Content	50	N.D.	1000	

Note:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL or LOQ)
- mg/kg= milligram per kilogram=ppm
- $\mu g/cm^2 = micrograms per square centimeter$
- LOQ = Limit Of Quantification, The LOQ of Hexavalent chromium is 0.10 μg/cm²
 - **=Boiling-water-extraction:
 - \bigstar = a. The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13μg/cm². The sample coating is considered to contain Cr(VI).
- b. The sample is negative for Cr(VI) if Cr(VI) is N.D.(concentration less than 0.10μg/cm²). The sample coating is considered a non- Cr(VI) based coating.
 - c. The result between $0.10\mu g/cm^2$ and $0.13\mu g/cm^2$ is considered to be inconclusive, unavoidable coating variations may influence the determination.
- Information on storage conditions and production date of the tested samples is unavailable and thus
- Cr(VI) results represent status of the sample at the time of testing.
- According to customer's requirement, only the appointed materials have been tested.



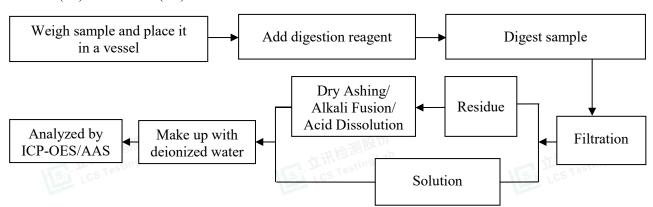


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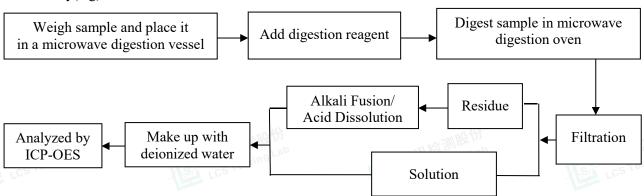


Test Process

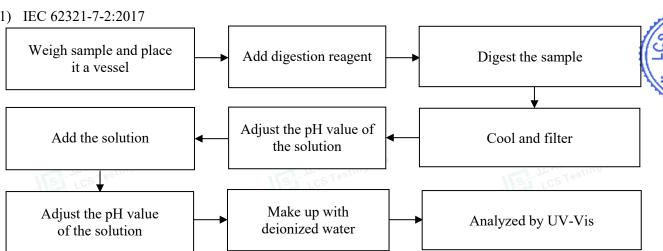
1. Lead(Pb) & Cadmium(Cd): IEC 62321-5:2013



2. Mercury(Hg): IEC 62321-4:2013+AMD1:2017 CSV

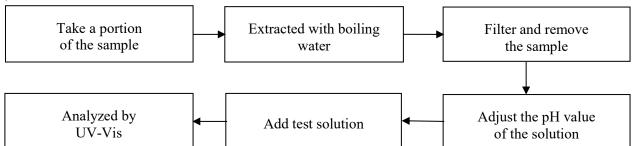


3. Hexavalent Chromium(Cr(VI))

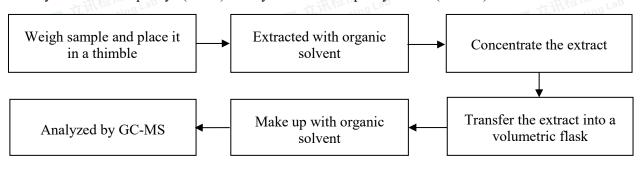




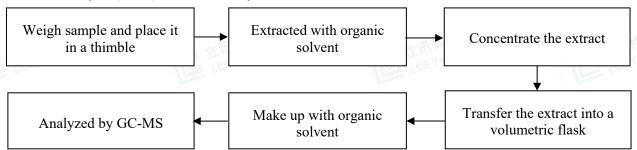
2) IEC 62321-7-1:2015



4. Polybrominated Biphenyls(PBBs) & Polybrominated Diphenyl Ethers(PBDEs): IEC 62321-6:2015



5. Phthalates(DBP, BBP, DEHP & DIBP): IEC 62321-8:2017



在讯检测股份 LCS Testing Lab





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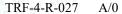




The photo(s) of the sample









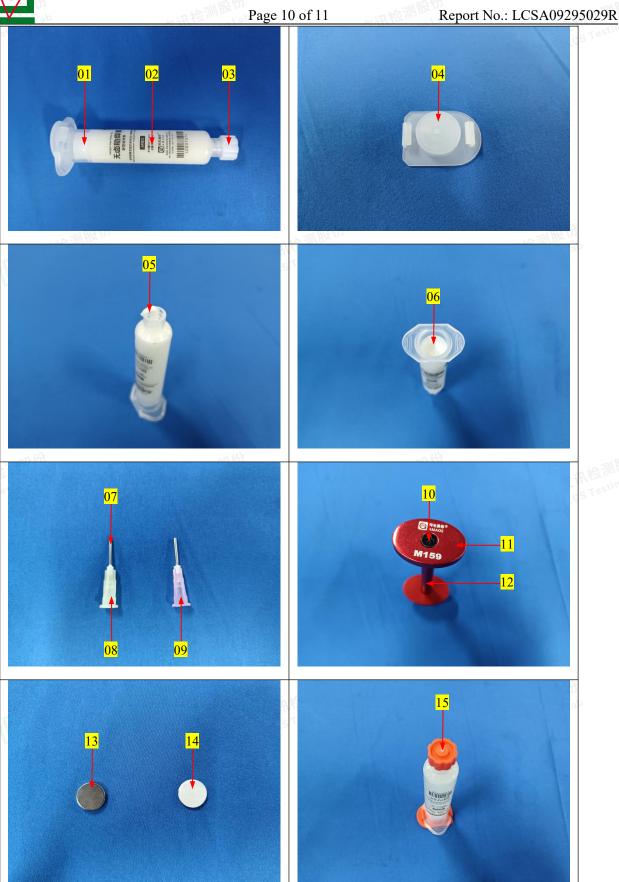
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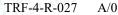
Add: 901, No.40 Building, Xialang Industrial Zone, Heshuikou Community, Matian Street, Guangming District, Shenzhen, Guangdong, China

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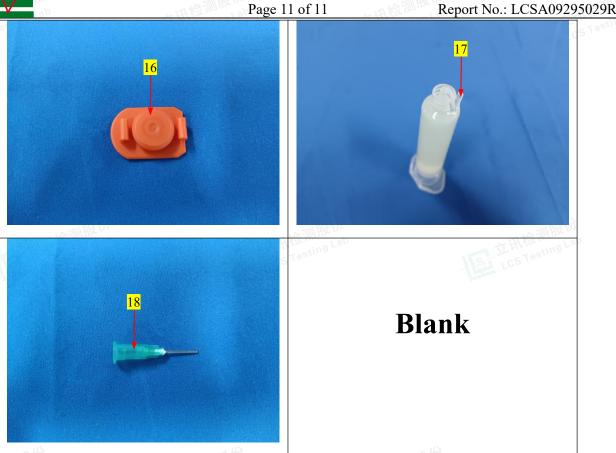












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- The test results in this report are only responsible for the tested samples; 3.
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*** End of Report ***

