



Verification Report

Applicant : Shenzhen Ouli Technology Co., Ltd
Address : 101 2F 3F Building D First Phase Yucai Industrial Area.No. 40 Qiaotang
Road Qiaotou, Qiaotou Community Fuyong Street Baoan District,
Shenzhen.Guangdong Province, China

Report on the submitted samples said to be:

Sample Name(s) : Travel Adapter
Trade Mark : OULIYO
Part No. : SL-207
Sample Received Date : August 02, 2023
Testing Period : August 02, 2023 ~ August 07, 2023
Date of Report : August 07, 2023
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

Signed for and on behalf of LCS

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

Test method: Refer to IEC 62321-1:2013&IEC 62321-2:2021&IEC 62321-3-1:2013, Screening by X-ray Fluorescence Spectroscopy (XRF).

Test result(s):

Sample No.	Sample Description	Screening Result(s)						Date of sample submission/ Resubmission
		Cd	Pb	Hg	Cr▼	Br▼		
						PBBs	PBDEs	
1	Black plastic sheet	BL	BL	BL	BL	BL	BL	2023-08-02
2	Black plastic shell	BL	BL	BL	BL	BL	BL	2023-08-02
3	White plastic sheet	BL	BL	BL	BL	BL	BL	2023-08-02
4	Silver metal rod	BL	BL	BL	BL	/	/	2023-08-02
5	Copper-colored metal sheet	BL	BL	BL	BL	/	/	2023-08-02
6	Silver metal needle	BL	BL	BL	BL	/	/	2023-08-02
7	Black plastic sheet	BL	BL	BL	BL	BL	BL	2023-08-02
8	Silver sheet metal	BL	BL	BL	BL	/	/	2023-08-02
9	Silver sheet metal	BL	BL	BL	BL	/	/	2023-08-02
10	Silver metal screw	BL	BL	BL	BL	/	/	2023-08-02
11	White plastic sheet	BL	BL	BL	BL	BL	BL	2023-08-02
12	Silver metal spring	BL	BL	BL	BL	/	/	2023-08-02
13	Silver sheet metal	BL	BL	BL	BL	/	/	2023-08-02
14	Black plastic sheet	BL	BL	BL	BL	BL	BL	2023-08-02
15	Silver metal needle	BL	BL	BL	BL	/	/	2023-08-02
16	Silver sheet metal	BL	BL	BL	BL	/	/	2023-08-02
17	Black plastic sheet	BL	BL	BL	BL	BL	BL	2023-08-02
18	Silver metal needle	BL	BL	BL	BL	/	/	2023-08-02
19	Orange plastic sheet	BL	BL	BL	BL	BL	BL	2023-08-02
20	Yellow tape	BL	BL	BL	BL	BL	BL	2023-08-02
21	Black ceramics	BL	BL	BL	BL	BL	BL	2023-08-02
22	Black plastic sheet	BL	BL	BL	BL	BL	BL	2023-08-02
23	Copper colored metal wire	BL	BL	BL	BL	/	/	2023-08-02
24	Black plastic shell	BL	BL	BL	BL	BL	BL	2023-08-02
25	Black plastic sheet	BL	BL	BL	BL	BL	BL	2023-08-02
26	Silver metal needle	BL	BL	BL	BL	/	/	2023-08-02
27	Black plastic	BL	BL	BL	BL	BL	BL	2023-08-02
28	Silver metal shell	BL	BL	BL	BL	/	/	2023-08-02
29	Black plastic ring	BL	BL	BL	BL	BL	BL	2023-08-02
30	Silver sheet metal	BL	BL	BL	BL	/	/	2023-08-02



Shenzhen LCS Compliance Testing Laboratory Ltd.

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Sample No.	Sample Description	Screening Result(s)						Date of sample submission/ Resubmission
		Cd	Pb	Hg	Cr▼	Br▼		
						PBBs	PBDEs	
31	Yellow wet paper	BL	BL	BL	BL	BL	BL	2023-08-02
32	Grey sheet metal	BL	BL	BL	BL	/	/	2023-08-02
33	Silver metal needle	BL	BL	BL	BL	/	/	2023-08-02
34	Black shrink fit pipe	BL	BL	BL	BL	BL	BL	2023-08-02
35	Black ceramics	BL	BL	BL	BL	BL	BL	2023-08-02
36	Copper colored metal wire	BL	BL	BL	BL	/	/	2023-08-02
37	Blue capacitor	BL	BL	BL	BL	BL	BL	2023-08-02
38	Black IC	BL	BL	BL	BL	BL	BL	2023-08-02
39	Black triode	BL	BL	BL	BL	BL	BL	2023-08-02
40	Black IC	BL	BL	BL	BL	BL	BL	2023-08-02
41	Silver metal shell	BL	BL	BL	BL	/	/	2023-08-02
42	Black shrink fit pipe	BL	BL	BL	BL	BL	BL	2023-08-02
43	Black ceramics	BL	BL	BL	BL	BL	BL	2023-08-02
44	Gold wire	BL	BL	BL	BL	/	/	2023-08-02
45	Tin solder	BL	BL	BL	BL	/	/	2023-08-02
46	PCB board	BL	BL	BL	BL	BL	BL	2023-08-02
47	Black IC	BL	BL	BL	BL	BL	BL	2023-08-02

Note:

- 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	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$
Br	$BL \leq (300-3\sigma) < X$	N/A	$BL \leq (250-3\sigma) < X$

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

- The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.



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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.

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
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), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), PBBs, PBDEs, DBP, BBP, DEHP & DIBP content**

Test method:

Lead(Pb) & Cadmium(Cd) 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).

Mercury(Hg) Content:

Refer to IEC 62321-4:2013+AMD1:2017 CSV, by acid digestion and analysis was performed by inductively coupled plasma optical emission spectrometer (ICP-OES).

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).

PBBs & PBDEs Content:

Refer to IEC 62321-6:2015, by solvent extraction and analysis was performed by gas chromatography-mass spectrometer (GC-MS).

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

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

Test result(s):

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

Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)		Limit (mg/kg)
		1	47	
Dibutyl Phthalate(DBP) Content	50	N.D.	N.D.	1000
Butylbenzyl Phthalate(BBP) Content	50	N.D.	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP) Content	50	N.D.	N.D.	1000
Diisobutyl phthalate(DIBP) Content	50	N.D.	N.D.	1000

Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		2+3+7+11+14+17	
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





Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		19+20+21+22+24+25	
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

Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		27+29+31+34+35+37	
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

Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		38+39+40+42+43+46	
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:

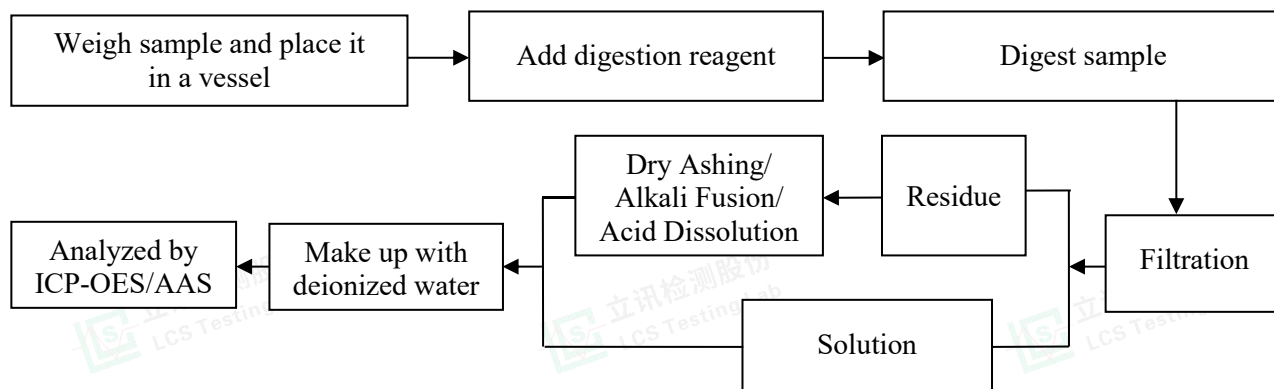
- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg= milligram
- According to customer's requirement, only the appointed materials have been tested.



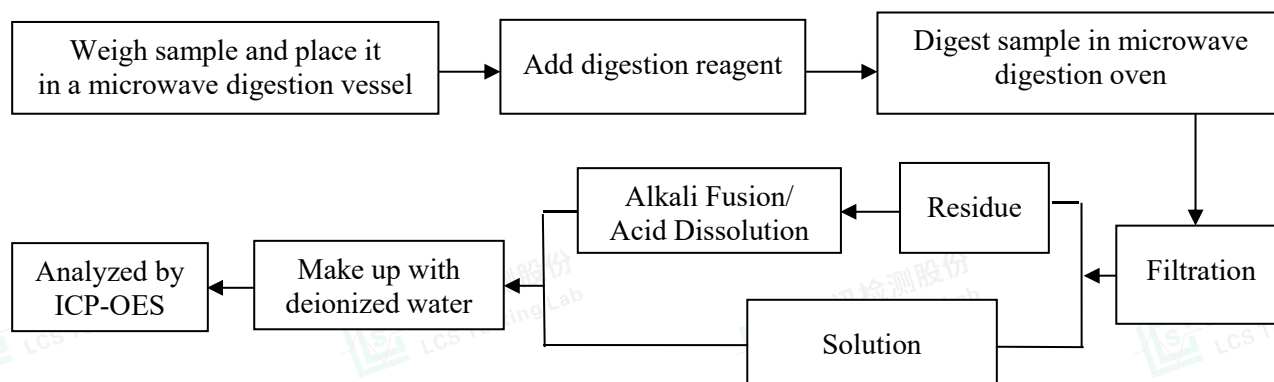


Test Process

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

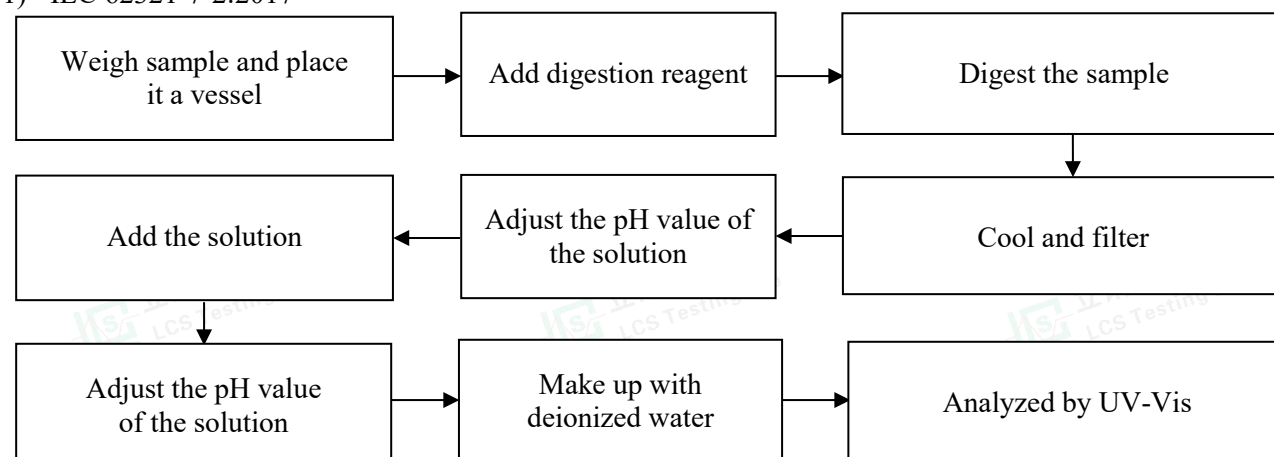


2. Mercury(Hg): IEC 62321-4:2013+AMD1:2017 CSV



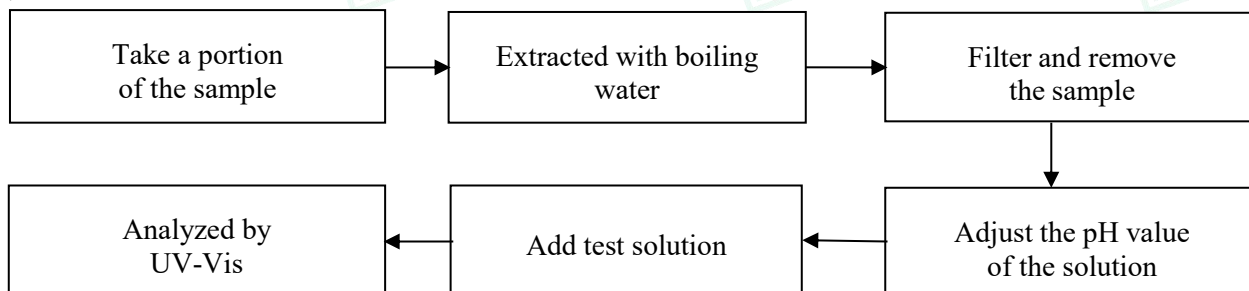
3. Hexavalent Chromium(Cr(VI))

1) IEC 62321-7-2:2017

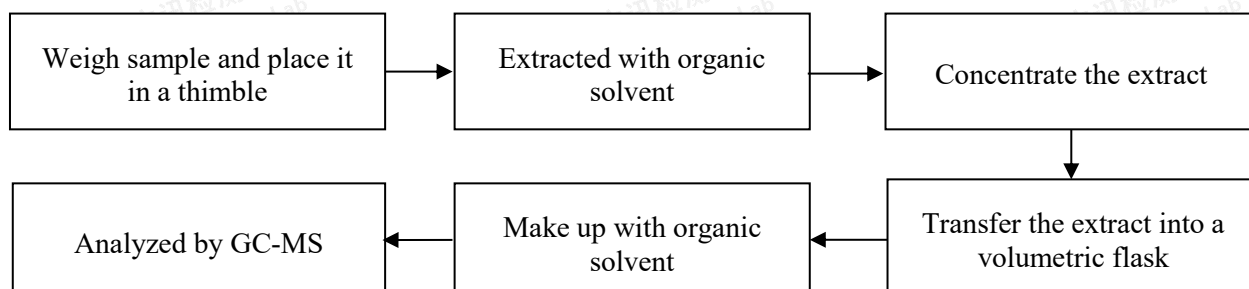




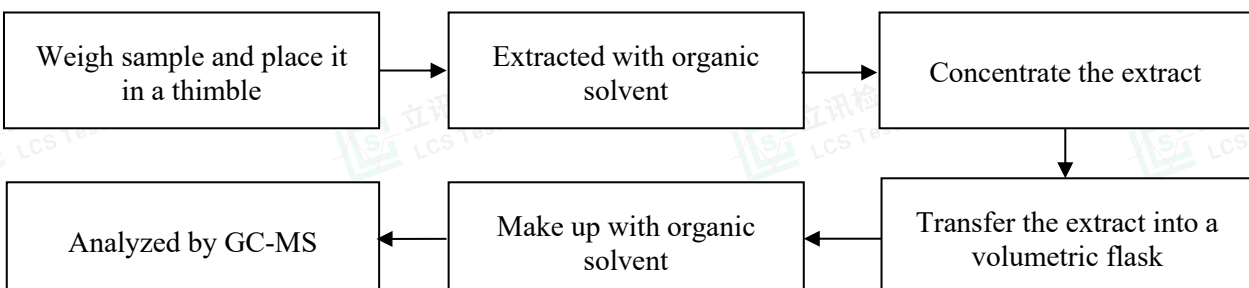
2) IEC 62321-7-1:2015



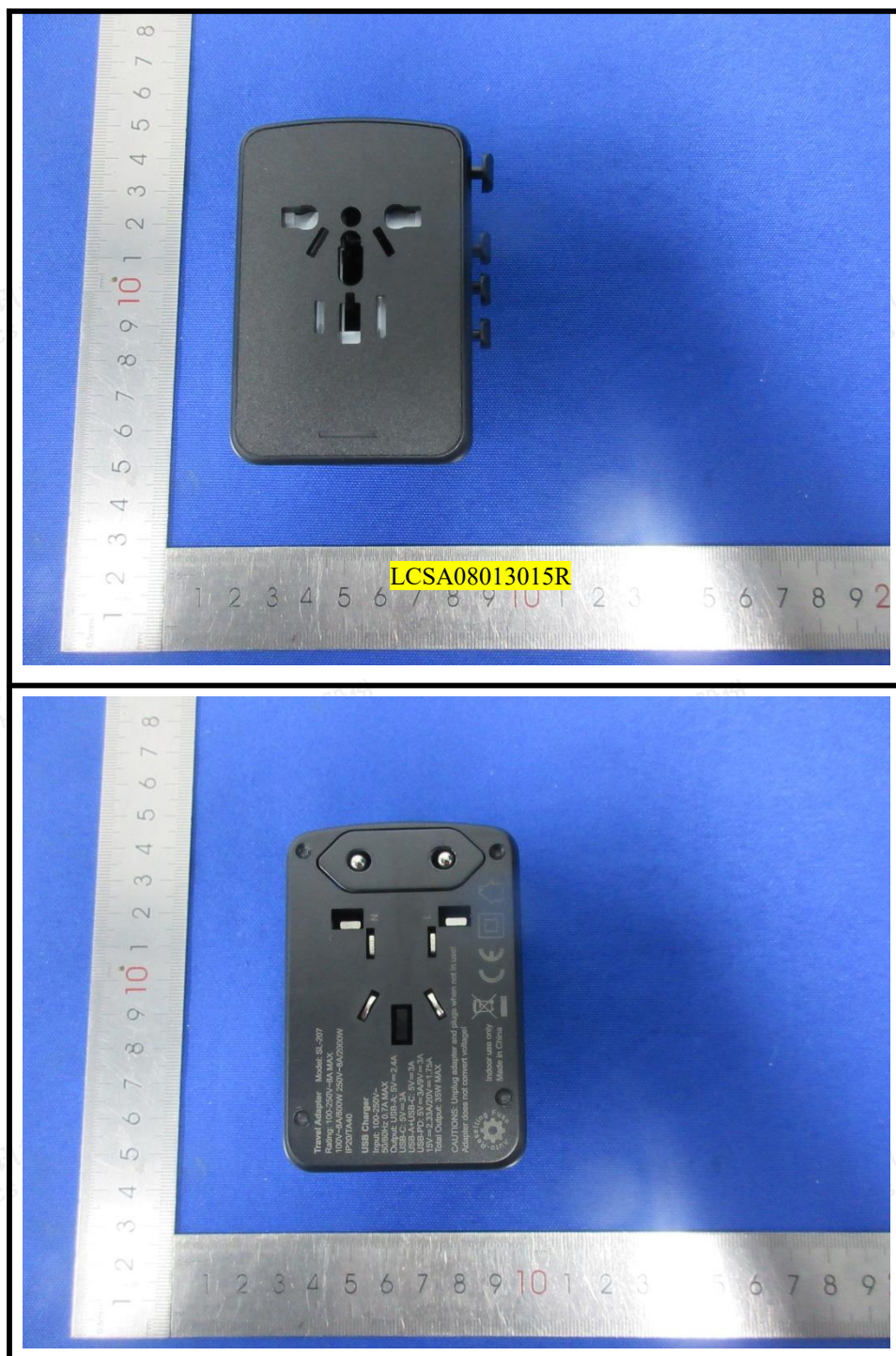
4. Polybrominated Biphenyls(PBBs) & Polybrominated Diphenyl Ethers(PBDEs) : IEC 62321-6:2015



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



The photo(s) of the sample

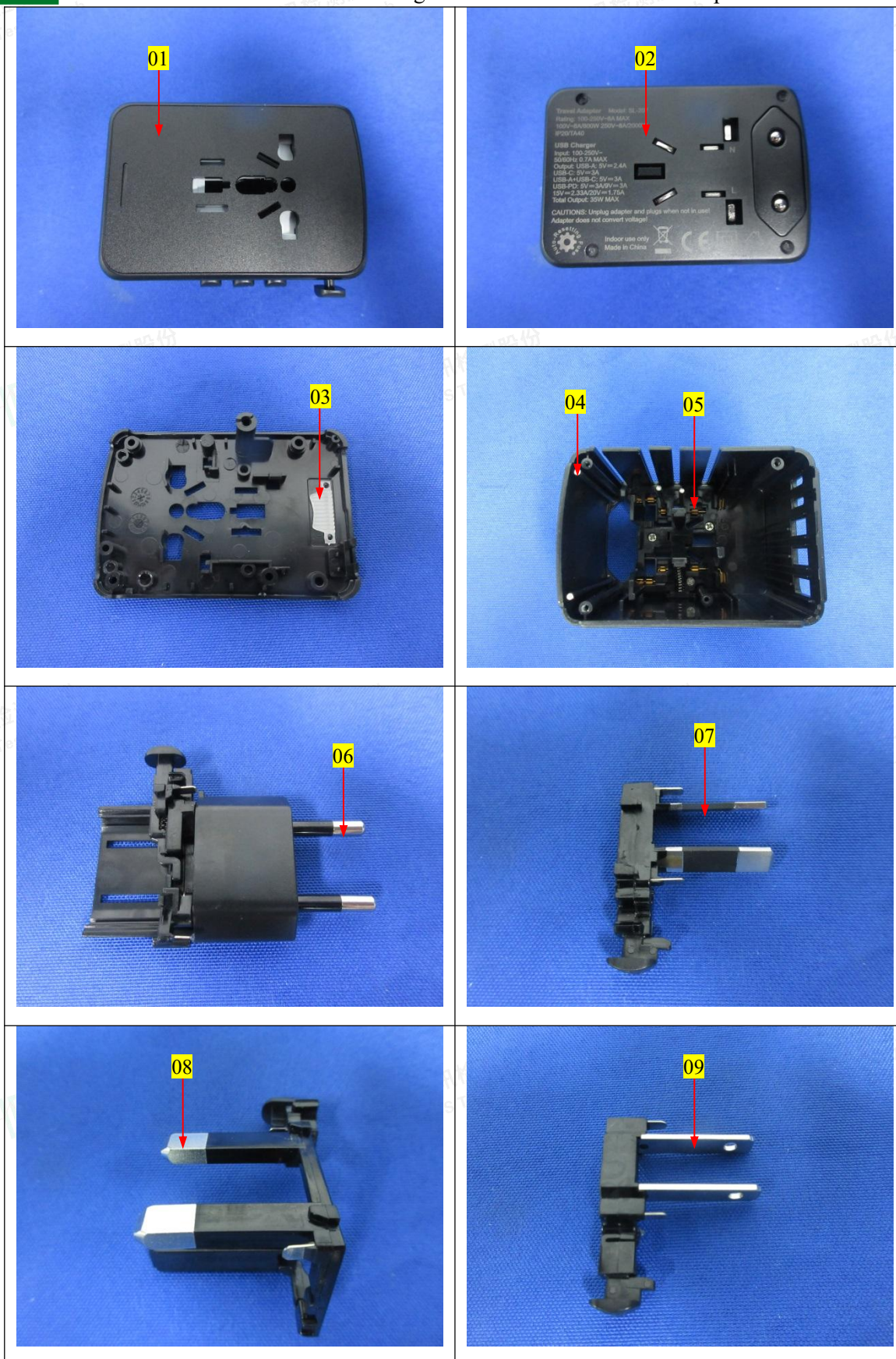


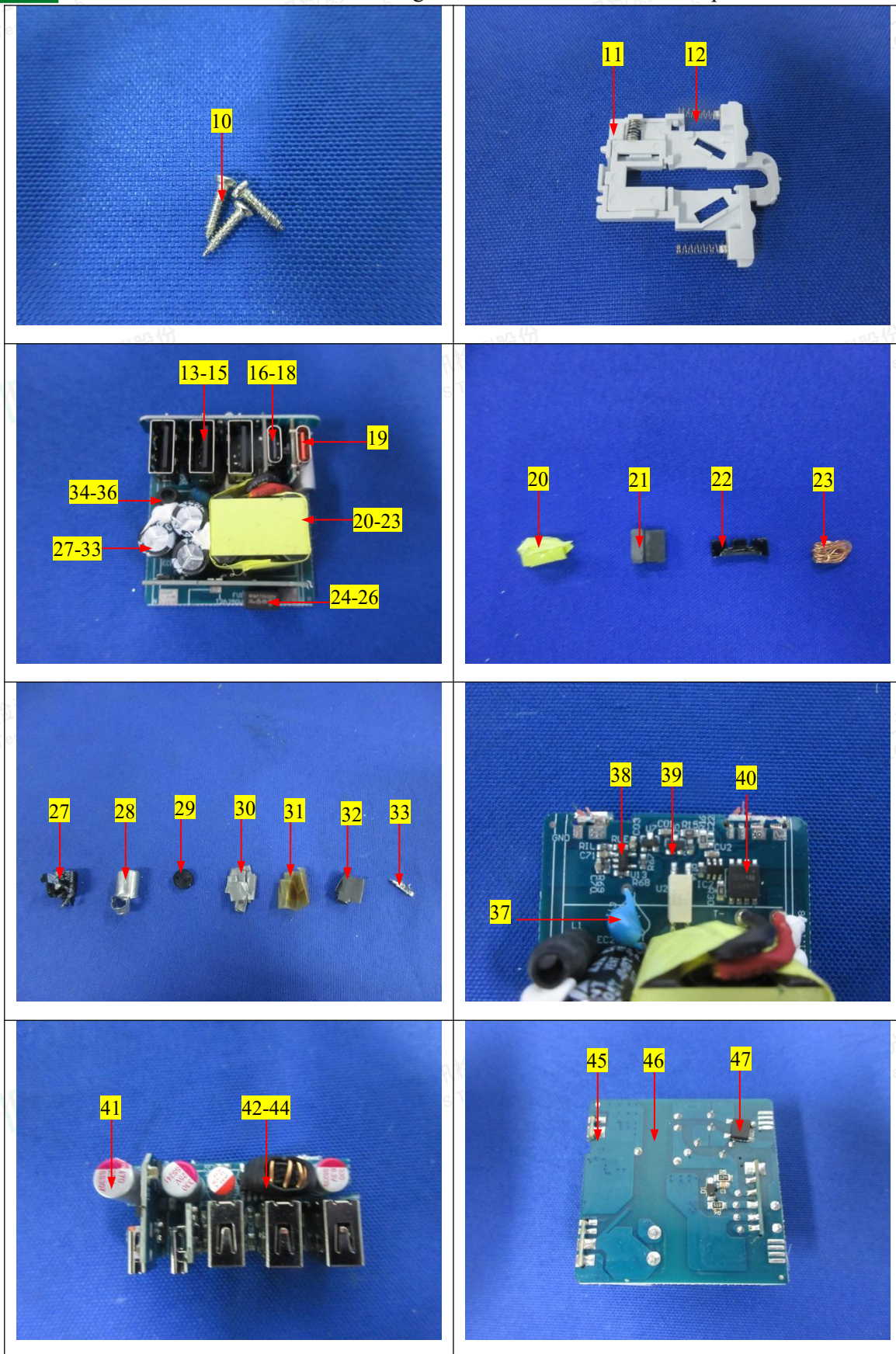
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*** End of Report ***

