



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. : OL-212PQ
Sample Received Date : April 17, 2023
Testing Period : April 17, 2023 ~ April 21, 2023
Date of Report : May 05, 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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**Results:****A. EU RoHS Directive 2011/65/EU and its amendment directives**

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

Sample No.	Sample Description	Results						Date of sample submission/ Resubmission
		Cd	Pb	Hg	Cr▼	Br▼		
						PBBs	PBDEs	
1	Black plastic shell	BL	BL	BL	BL	BL	BL	2023-04-17
2	White plastic sheet	BL	BL	BL	BL	BL	BL	2023-04-17
3	Silver metal sheet	BL	BL	BL	BL	/	/	2023-04-17
4	White ceramic	BL	BL	BL	BL	BL	BL	2023-04-17
5	Silver metal needle	BL	OL	BL	BL	/	/	2023-04-17
6	Silver metal block	BL	BL	BL	BL	/	/	2023-04-17
7	Silver metal sheet	BL	BL	BL	BL	/	/	2023-04-17
8	Silver metal needle	BL	BL	BL	BL	/	/	2023-04-17
9	Copper colored metal sheet	BL	BL	BL	BL	/	/	2023-04-17
10	Silver metal screw	BL	BL	BL	BL	/	/	2023-04-17
11	Silver metal spring	BL	BL	BL	BL	/	/	2023-04-17
12	Black plastic sheet	BL	BL	BL	BL	BL	BL	2023-04-17
13	Silver metal sheet	BL	BL	BL	BL	/	/	2023-04-17
14	Black plastic ring	BL	BL	BL	BL	BL	BL	2023-04-17
15	Silver metal sheet	BL	BL	BL	BL	/	/	2023-04-17
16	Yellow wet paper	BL	BL	BL	BL	BL	BL	2023-04-17
17	Gray metal sheet	BL	BL	BL	BL	/	/	2023-04-17
18	Silver metal needle	BL	BL	BL	BL	/	/	2023-04-17
19	Black plastic sheet	BL	BL	BL	BL	BL	BL	2023-04-17
20	Silver metal sheet	BL	BL	BL	BL	/	/	2023-04-17
21	Orange plastic sheet	BL	BL	BL	BL	BL	BL	2023-04-17
22	Silver metal needle	BL	BL	BL	BL	/	/	2023-04-17
23	Silver metal sheet	BL	BL	BL	BL	/	/	2023-04-17
24	Black plastic ring	BL	BL	BL	BL	BL	BL	2023-04-17
25	Black metal sheet	BL	BL	BL	BL	/	/	2023-04-17
26	Silver metal needle	BL	BL	BL	BL	/	/	2023-04-17
27	Silver metal sheet	BL	BL	BL	BL	/	/	2023-04-17
28	Orange plastic sheet	BL	BL	BL	BL	BL	BL	2023-04-17
29	Silver metal needle	BL	BL	BL	BL	/	/	2023-04-17
30	Yellow tape	BL	BL	BL	BL	BL	BL	2023-04-17
31	Black ceramic	BL	BL	BL	BL	BL	BL	2023-04-17



Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



Sample No.	Sample Description	Results						Date of sample submission/ Resubmission
		Cd	Pb	Hg	Cr▼	Br▼		
						PBBs	PBDEs	
32	Copper colored wire	BL	BL	BL	BL	/	/	2023-04-17
33	Black plastic sheet	BL	BL	BL	BL	BL	BL	2023-04-17
34	Black plastic shell	BL	BL	BL	BL	BL	BL	2023-04-17
35	Black plastic sheet	BL	BL	BL	BL	BL	BL	2023-04-17
36	Silver metal pins	BL	BL	BL	BL	/	/	2023-04-17
37	Color ring inductance	BL	BL	BL	BL	BL	BL	2023-04-17
38	Blue capacitor	BL	BL	BL	BL	BL	BL	2023-04-17
39	Black IC	BL	BL	BL	BL	BL	BL	2023-04-17
40	Brown capacitor	BL	BL	BL	BL	BL	BL	2023-04-17
41	Black diode	BL	BL	BL	BL	BL	BL	2023-04-17
42	Black IC	BL	BL	BL	BL	BL	BL	2023-04-17
43	Black IC	BL	BL	BL	BL	BL	BL	2023-04-17
44	Black transistor	BL	BL	BL	BL	BL	BL	2023-04-17
45	Tin solder	BL	BL	BL	BL	/	/	2023-04-17
46	PCB board	BL	BL	BL	BL	BL	BL	2023-04-17

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.
 - The maximum permissible limit is quoted from the document RoHS Directive 2011/65/EU with amendment (EU) 2015/863.



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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:**

With reference 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:

With reference 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:

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

PBBs & PBDEs Content:

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

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

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

1) The test results of Lead(Pb)

Tested Items	MDL (mg/kg)	Results (mg/kg)	Limit (mg/kg)
		(5)	
Lead(Pb) Content	5	26819 ^{#1}	1000

2) The test results of Phthalates(DBP, BBP, DEHP & DIBP)

Tested Items	MDL (mg/kg)	Results (mg/kg)		Limit (mg/kg)
		1	19	
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 Items	MDL (mg/kg)	Results (mg/kg)	Limit (mg/kg)
		2+4+12+14+16+21	
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 Items	MDL (mg/kg)	Results (mg/kg)	Limit (mg/kg)
		24+28+30+31+33+34	
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 Items	MDL (mg/kg)	Results (mg/kg)	Limit (mg/kg)
		35+37+38+39+40+41	
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 Items	MDL (mg/kg)	Results (mg/kg)	Limit (mg/kg)
		42+43+44+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



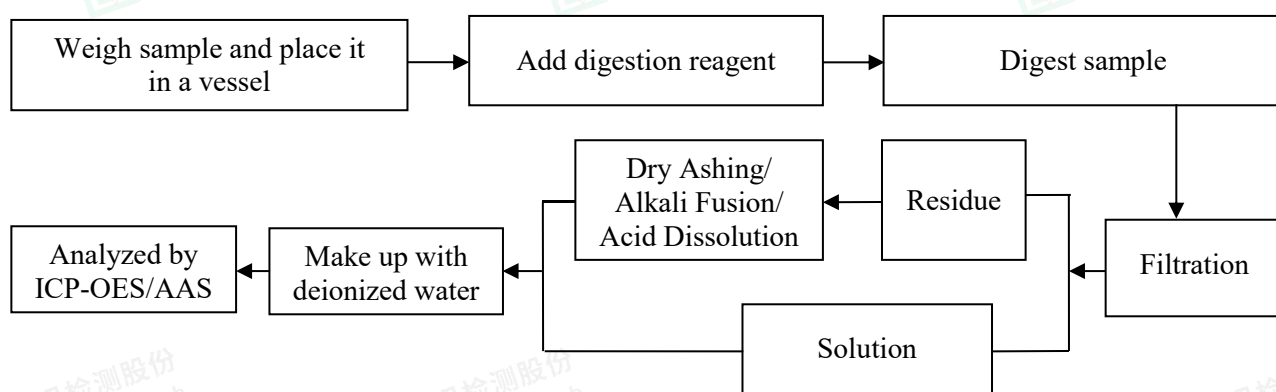


Note:

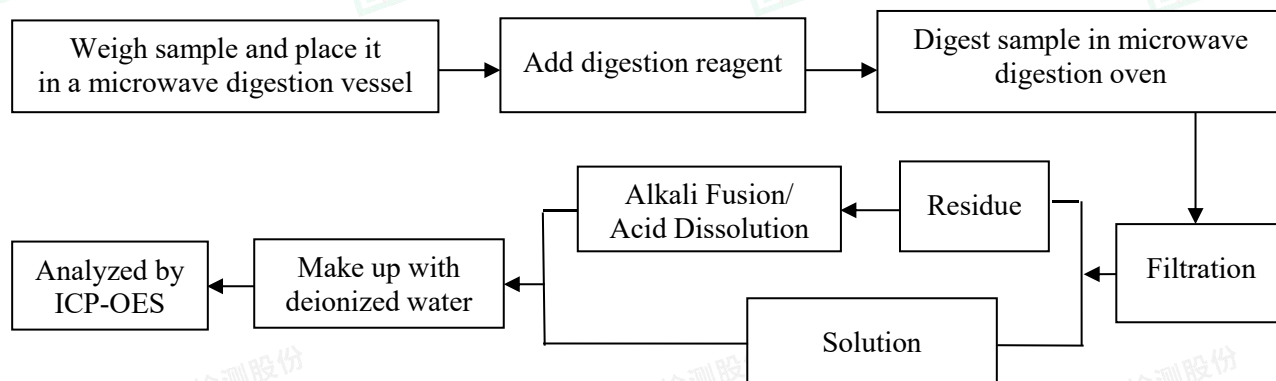
- MDL = Method Detection Limit
 - N.D. = Not Detected (<MDL)
 - mg/kg = milligrams per kilogram
 - According to customer's requirement, only the appointed materials have been tested.
- #1 According to RoHS Directive 2011/65/EU and its amendments, Lead is exempted as an alloying element in Copper containing up to 4% (40000ppm) by weight.

Test Process

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



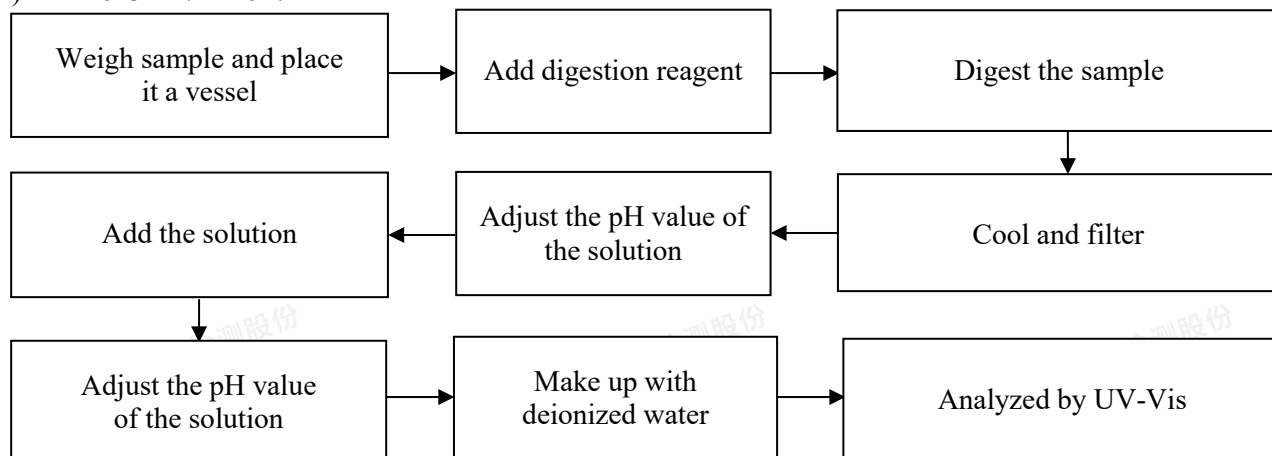
2. Mercury(Hg): IEC 62321-4:2013+AMD1:2017 CSV



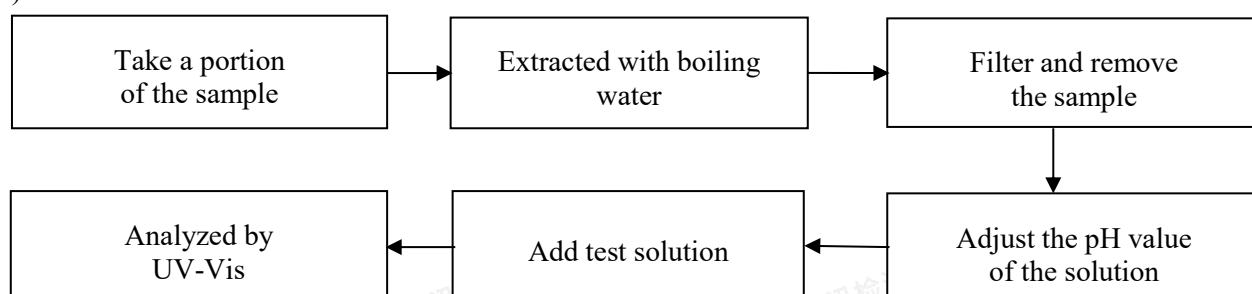


3. Hexavalent Chromium(Cr(VI))

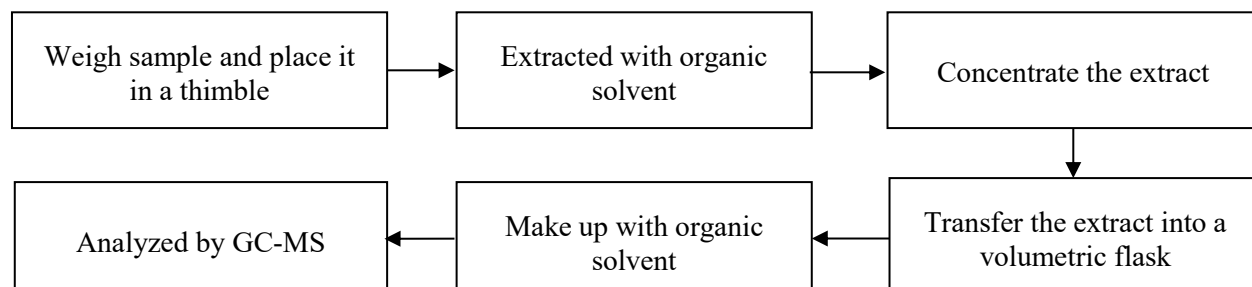
1) IEC 62321-7-2:2017



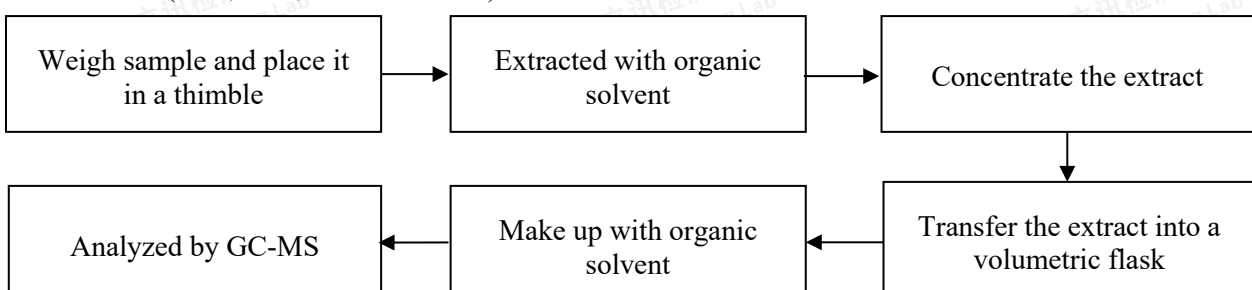
2) IEC 62321-7-1:2015



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

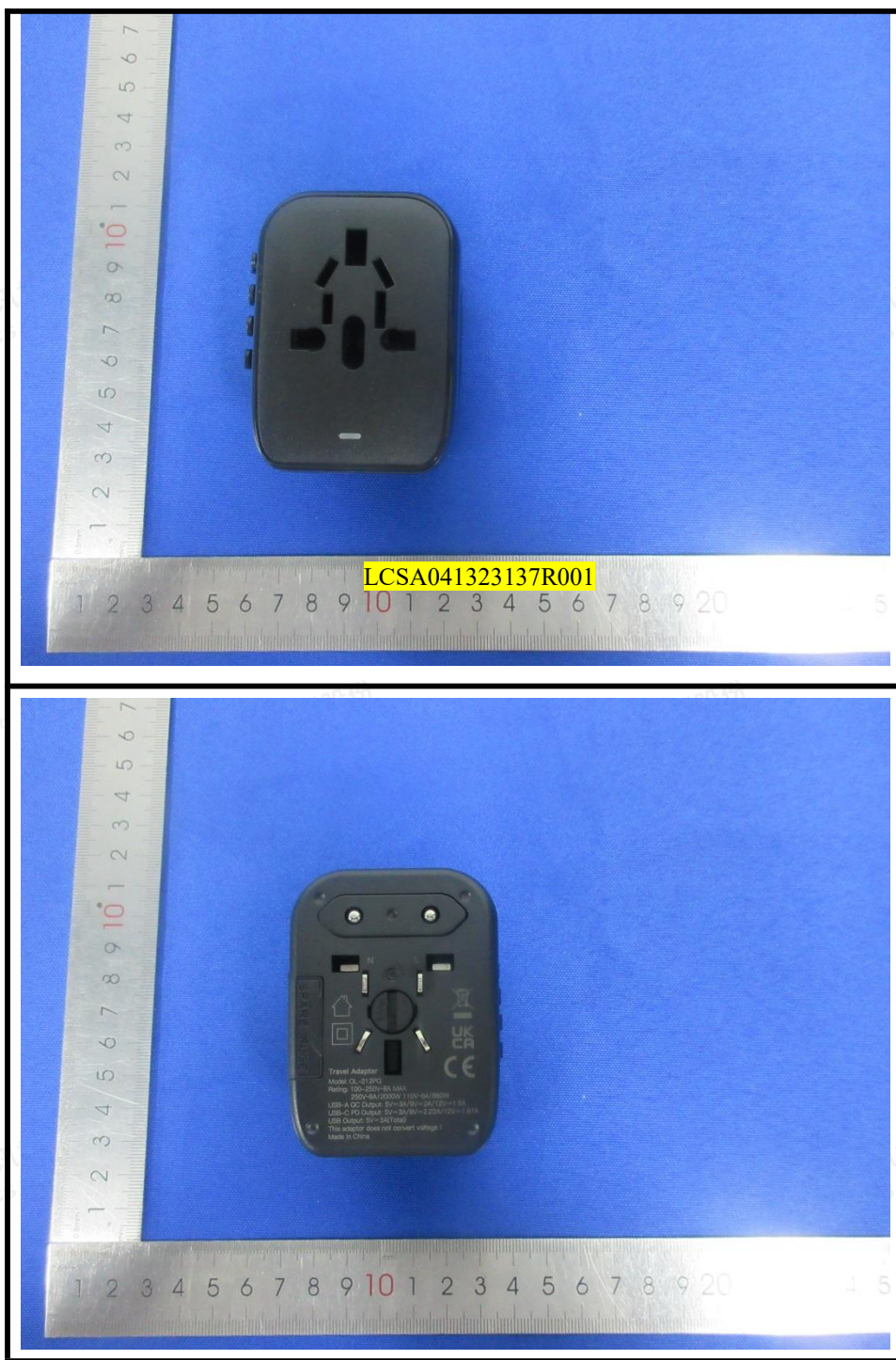


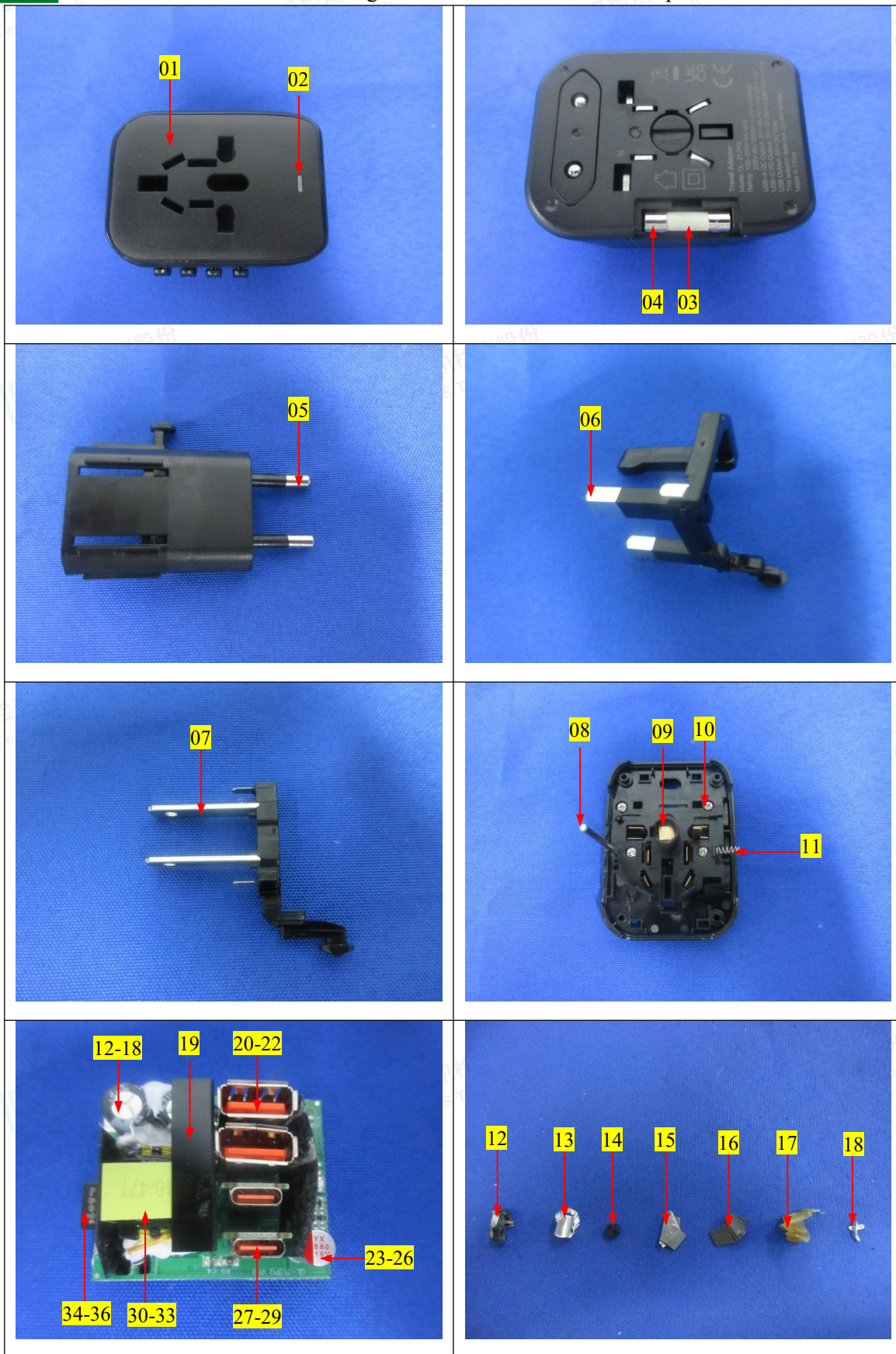
5. Phthalates(DBP, BBP, DEHP & DIBP) : IEC 62321-8:2017

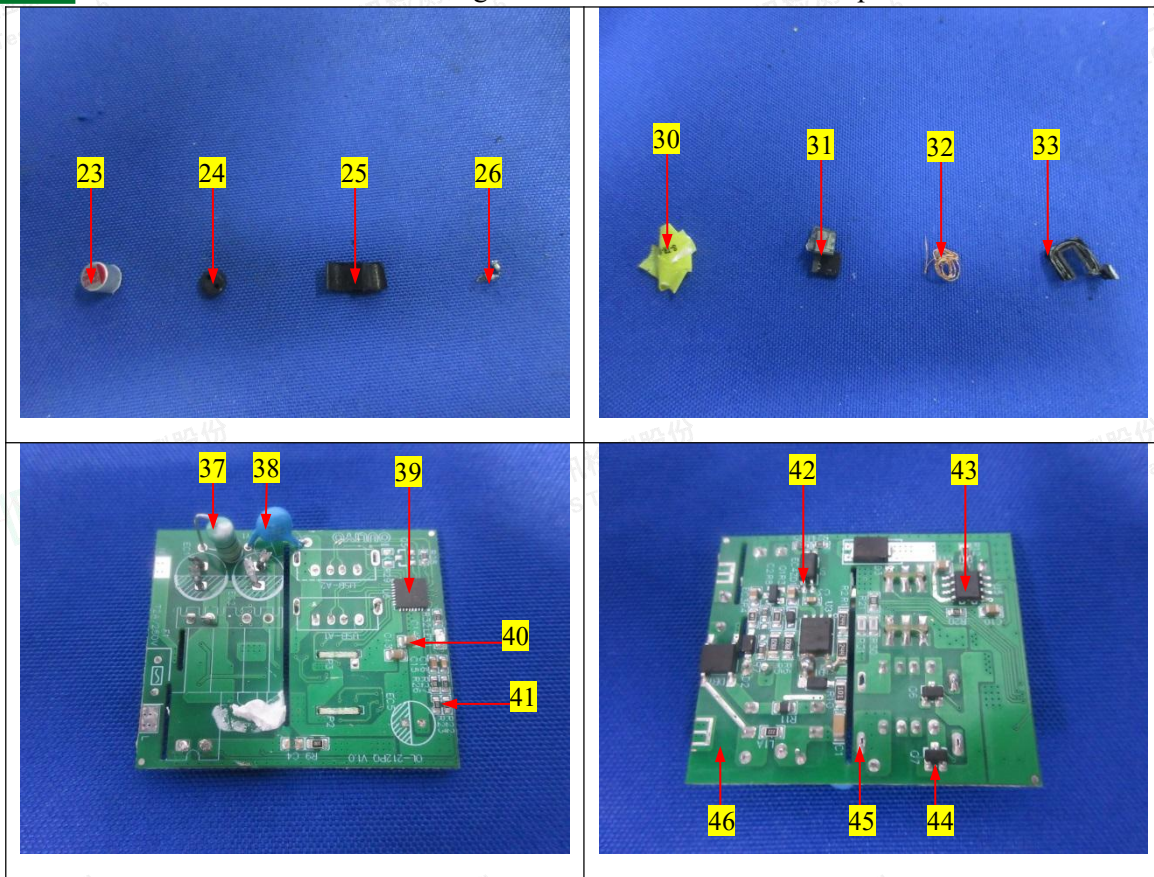




The photo(s) of the sample





**Statement:**

1. The test report is invalid without the signature of the approver and the special seal for the company's report;
2. The company name, address and sample information shown on the report were provided by the applicant who should be responsible for the authenticity which are not verified by LCS;
3. The test results in this report are only responsible for the tested samples;
4. Without written approval of LCS, this report can't be reproduced except in full;
5. In case of any discrepancy between the corresponding Chinese and English contents in the test report, the Chinese version shall prevail.





Revision History

Revision	Issue Date	Revision Content	Revised By
001	2023.05.05	According to customer's requirement Added the trademark OULIYO, Other information remains unchanged. The LCSA041323137R001 report replaces the original LCSA041323137R report, and the original report is invalid.	Chen zhang

*** End of Report ***

