



TEST REPORT

Applicant : Shenzhen PULUZ Technology Limited
Address : 8/F, 614 Bldg, Bagua 1st Road, Futian, Shenzhen, China
Manufacturer : Shenzhen PULUZ Technology Limited
Address : 8/F, 614 Bldg, Bagua 1st Road, Futian, Shenzhen, China

Report on the submitted samples said to be:

Sample Name(s) : Portable Ring Light Studio Box
Trade Mark : PULUZ
Tested Model No. : PU5060
Model List## : PU5040, PU5032, PU5041, PU5025, PU5027, PU5032, PU5064, PU5083, PU5080, PU5051, PU5050, PU5044, PU5042, PU5210
Sample Received Date : October 11, 2024
Testing Period : October 11, 2024 ~ October 14, 2024
Date of Report : October 15, 2024
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

Terry Luo

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**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):

Sample No.	Sample Description	Screening Result(s)						Date of sample submission/ Resubmission
		Cd	Pb	Hg	Cr ^v	Br ^v		
						PBBs	PBDEs	
1	Silver metal pin	BL	BL	BL	BL	/	/	2024-10-11
2	White plastic shell	BL	BL	BL	BL	BL	BL	2024-10-11
3	Blue plastic sheet	BL	BL	BL	BL	BL	BL	2024-10-11
4	Yellow plastic sheet	BL	BL	BL	BL	BL	BL	2024-10-11
5	Brown plastic sheet	BL	BL	BL	BL	BL	BL	2024-10-11
6	Light yellow plastic sheet	BL	BL	BL	BL	BL	BL	2024-10-11
7	Red plastic sheet	BL	BL	BL	BL	BL	BL	2024-10-11
8	White plastic sheet	BL	BL	BL	BL	BL	BL	2024-10-11
9	Green plastic sheet	BL	BL	BL	BL	BL	BL	2024-10-11
10	Black plastic sheet	BL	BL	BL	BL	BL	BL	2024-10-11
11	White woven fabric	BL	BL	BL	BL	BL	BL	2024-10-11
12	Silver plastic skin	BL	BL	BL	BL	BL	BL	2024-10-11
13	Black woven fabric	BL	BL	BL	BL	BL	BL	2024-10-11
14	Black plastic chain	BL	BL	BL	BL	BL	BL	2024-10-11
15	Black metal zipper	BL	BL	BL	BL	/	/	2024-10-11
16	Black woven fabric	BL	BL	BL	BL	BL	BL	2024-10-11
17	White plastic strip	BL	BL	BL	BL	BL	BL	2024-10-11
18	White plastic shell	BL	BL	BL	BL	BL	BL	2024-10-11
19	White plastic shell	BL	BL	BL	BL	BL	BL	2024-10-11
20	Silver metal shell	BL	BL	BL	BL	/	/	2024-10-11
21	White plastic skin	BL	BL	BL	BL	BL	BL	2024-10-11
22	Yellow LED beads	BL	BL	BL	BL	BL	BL	2024-10-11
23	Silver metal screw	BL	BL	BL	BL	/	/	2024-10-11
24	White plastic shell	BL	BL	BL	BL	BL	BL	2024-10-11
25	Black plastic outer film	BL	BL	BL	BL	BL	BL	2024-10-11
26	Black thread leather (outer)	BL	BL	BL	BL	BL	BL	2024-10-11
27	Black thread leather	BL	BL	BL	BL	BL	BL	2024-10-11
28	Red line leather	BL	BL	BL	BL	BL	BL	2024-10-11
29	Copper wire	BL	BL	BL	BL	/	/	2024-10-11
30	Silver metal shell	BL	BL	BL	BL	/	/	2024-10-11

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Sample No.	Sample Description	Screening Result(s)						Date of sample submission/ Resubmission
		Cd	Pb	Hg	Cr [▼]	Br [▼]		
						PBBs	PBDEs	
31	Black plastic shell	BL	BL	BL	BL	BL	BL	2024-10-11
32	Black thread leather	BL	BL	BL	BL	BL	BL	2024-10-11
33	Black plastic outer film	BL	BL	BL	BL	BL	BL	2024-10-11
34	Silver metal pin	BL	BL	BL	BL	/	/	2024-10-11
35	Red line leather	BL	BL	BL	BL	BL	BL	2024-10-11
36	Black thread leather	BL	BL	BL	BL	BL	BL	2024-10-11
37	Copper wire	BL	BL	BL	BL	/	/	2024-10-11
38	Black foam	BL	BL	BL	BL	BL	BL	2024-10-11
39	White fixing adhesive	BL	BL	BL	BL	BL	BL	2024-10-11
40	Black plastic shell	BL	BL	BL	BL	BL	BL	2024-10-11
41	Silver metal pin	BL	BL	BL	BL	/	/	2024-10-11
42	Brown plastic shell (insurance)	BL	BL	BL	BL	BL	BL	2024-10-11
43	Black plastic shell (insurance)	BL	BL	BL	BL	BL	BL	2024-10-11
44	Silver metal fuse	BL	BL	BL	BL	/	/	2024-10-11
45	Yellow adhesive tape	BL	BL	BL	BL	BL	BL	2024-10-11
46	Yellow high-temperature adhesive paper	BL	BL	BL	BL	BL	BL	2024-10-11
47	Black magnetic ring	BL	BL	BL	BL	BL	BL	2024-10-11
48	Black plastic shell	BL	BL	BL	BL	BL	BL	2024-10-11
49	Copper wire	BL	BL	BL	BL	/	/	2024-10-11
50	Silver metal button	BL	BL	BL	BL	/	/	2024-10-11
51	Yellow plastic board	BL	BL	BL	BL	BL	BL	2024-10-11
52	Silver metal pins	BL	BL	BL	BL	/	/	2024-10-11
53	White plastic sheet	BL	BL	BL	BL	BL	BL	2024-10-11
54	Silver metal sheet	BL	BL	BL	BL	/	/	2024-10-11
55	Green plastic paper	BL	BL	BL	BL	BL	BL	2024-10-11
56	Silver metal shell (aluminum)	BL	BL	BL	BL	/	/	2024-10-11
57	Black plastic plug	BL	BL	BL	BL	BL	BL	2024-10-11
58	Grey metal sheet	BL	BL	BL	BL	/	/	2024-10-11
59	Silver metal sheet	BL	BL	BL	BL	/	/	2024-10-11
60	Yellow wet paper	BL	BL	BL	BL	BL	BL	2024-10-11
61	Silver metal pins	BL	BL	BL	BL	/	/	2024-10-11
62	White LED beads	BL	BL	BL	BL	BL	BL	2024-10-11

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Sample No.	Sample Description	Screening Result(s)						Date of sample submission/ Resubmission
		Cd	Pb	Hg	Cr ^{VI}	Br [▼]		
						PBBs	PBDEs	
63	Blue capacitor	BL	BL	BL	BL	BL	BL	2024-10-11
64	Silver metal sheet (aluminum)	BL	BL	BL	BL	/	/	2024-10-11
65	Black Ceramic Shell (MOS)	BL	BL	BL	BL	BL	BL	2024-10-11
66	Green plastic paper	BL	BL	BL	BL	BL	BL	2024-10-11
67	Green PCB board	BL	BL	BL	BL	BL	BL	2024-10-11
68	Black diode	BL	BL	BL	BL	BL	BL	2024-10-11
69	Tin solder	BL	BL	BL	BL	/	/	2024-10-11
70	Black resistor	BL	BL	BL	BL	BL	BL	2024-10-11
71	Black plastic outer film	BL	BL	BL	BL	BL	BL	2024-10-11
72	Silver metal pin	BL	BL	BL	BL	/	/	2024-10-11
73	Black plastic shell	BL	BL	BL	BL	BL	BL	2024-10-11
74	Yellow metal pin	BL	BL	BL	BL	/	/	2024-10-11
75	Black thread leather	BL	BL	BL	BL	BL	BL	2024-10-11
76	Blue thread leather	BL	BL	BL	BL	BL	BL	2024-10-11
77	Brown thread leather	BL	BL	BL	BL	BL	BL	2024-10-11
78	Copper wire	BL	BL	BL	BL	/	/	2024-10-11
79	Blue plastic sheet	BL	BL	BL	BL	BL	BL	2024-10-11
80	Black plastic shell	BL	BL	BL	BL	BL	BL	2024-10-11

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	$BL \leq (250-3\sigma) < X$

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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.

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.

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**B. EU RoHS Directive 2011/65/EU with amendment (EU) 2015/863 on DBP, BBP, DEHP & DIBP content**

Test method:

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)
		9	18	26	39	
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 (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		2+3+4+5+6+7	
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)
		8+10+11+12+13+14	
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

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Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		16+17+19+21+22+24	
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)
		25+27+28+31+32+33	
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)
		35+36+38+40+42+43	
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)
		45+46+47+48+51+53	
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



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Tested Item(s)	MDL (mg/kg)	Test Result(s) (mg/kg)	Limit (mg/kg)
		55+57+60+62+63+65	
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)
		66+67+68+70+71+73	
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)
		75+76+77+79+80	
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:

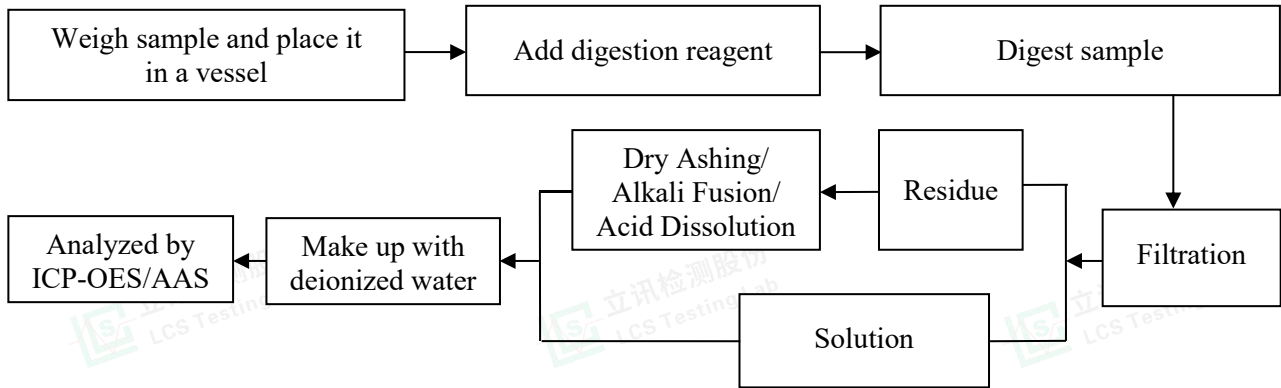
- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg= milligram per kilogram=ppm
- According to customer's requirement, only the appointed materials have been tested.



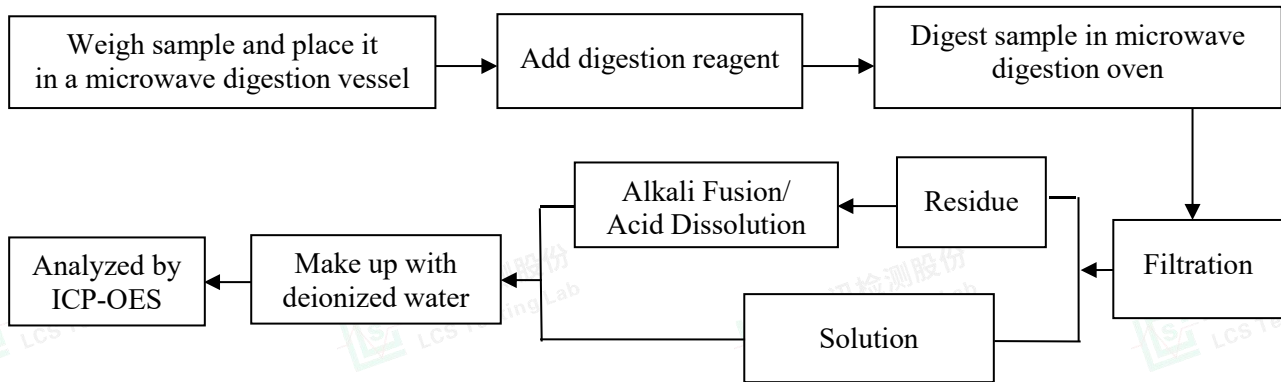


Test Process

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

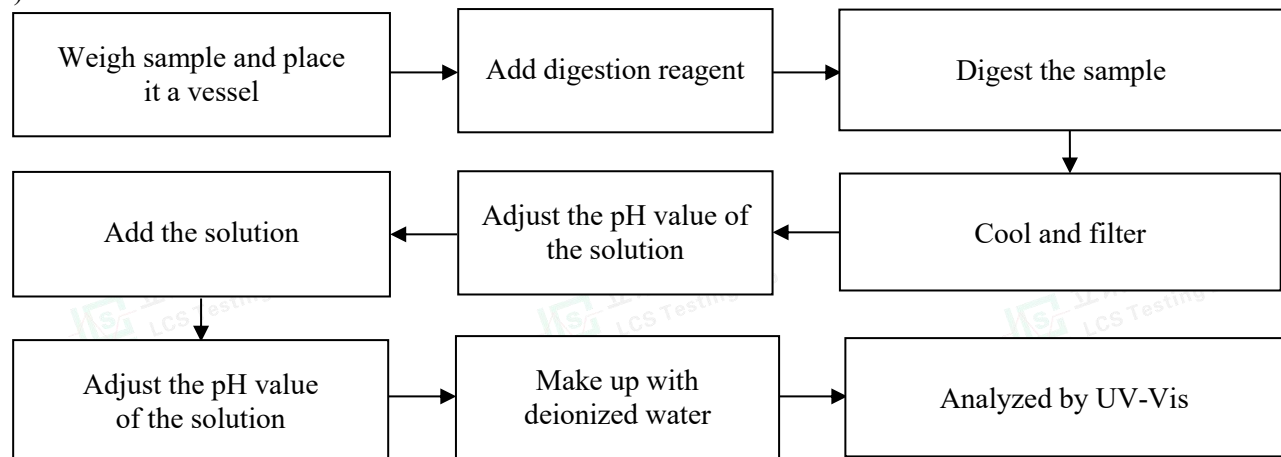


2. Mercury(Hg): IEC 62321-4:2013+AMD1:2017 CSV



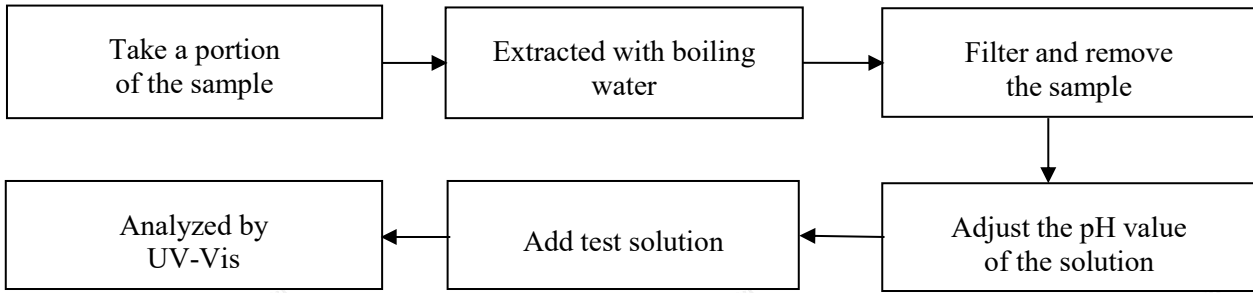
3. Hexavalent Chromium(Cr(VI))

1) IEC 62321-7-2:2017

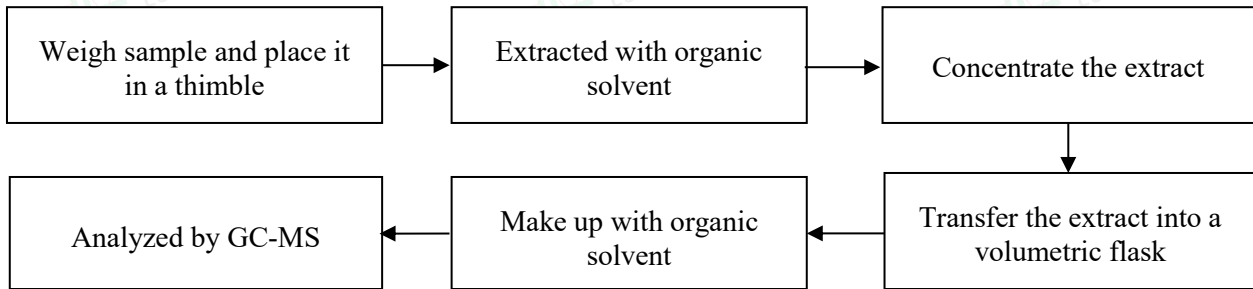




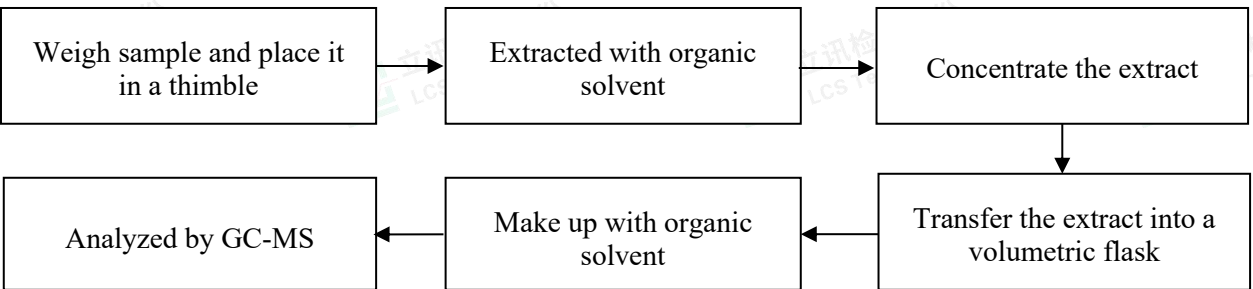
2) IEC 62321-7-1:2015



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



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



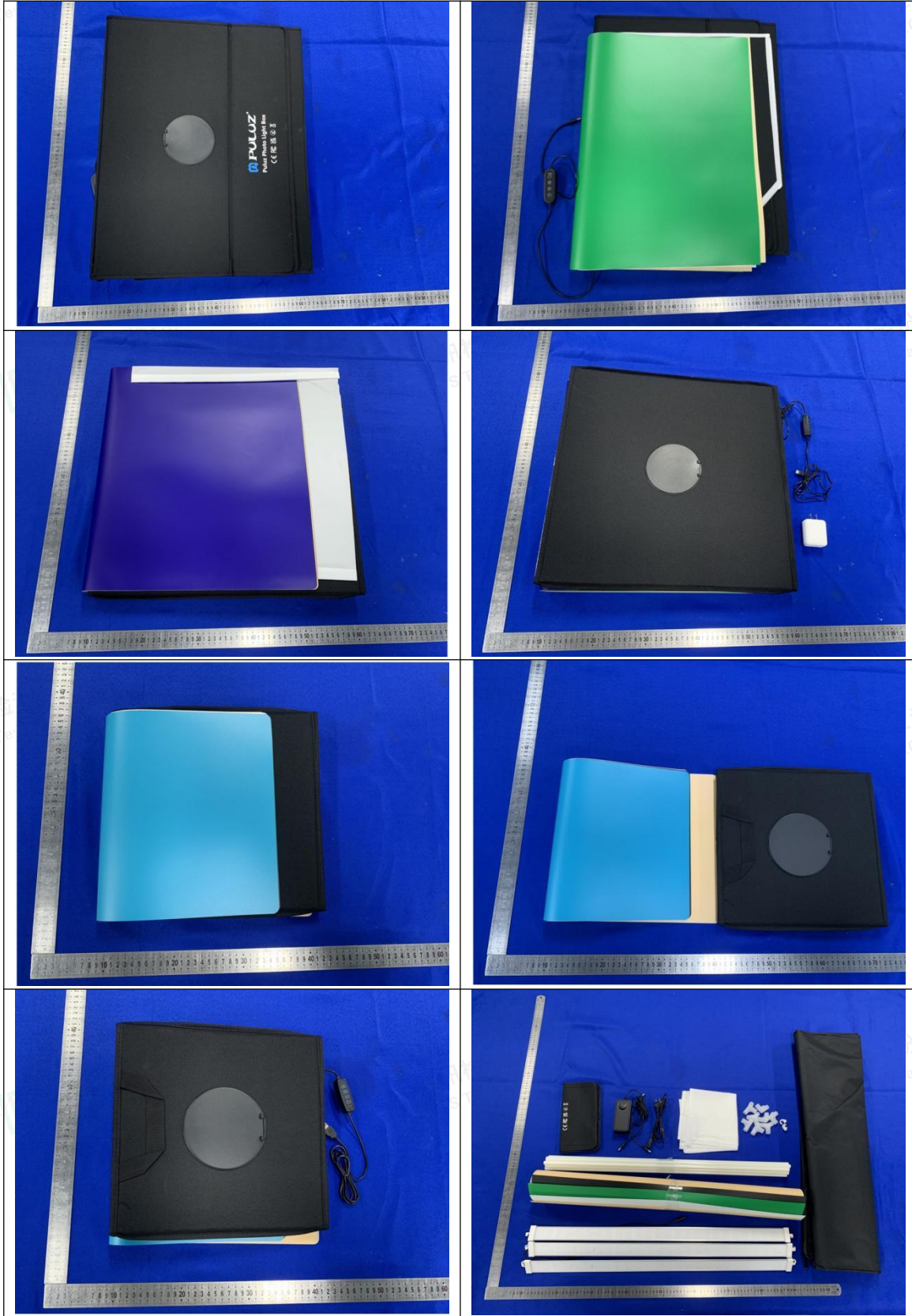


The photo(s) of the sample



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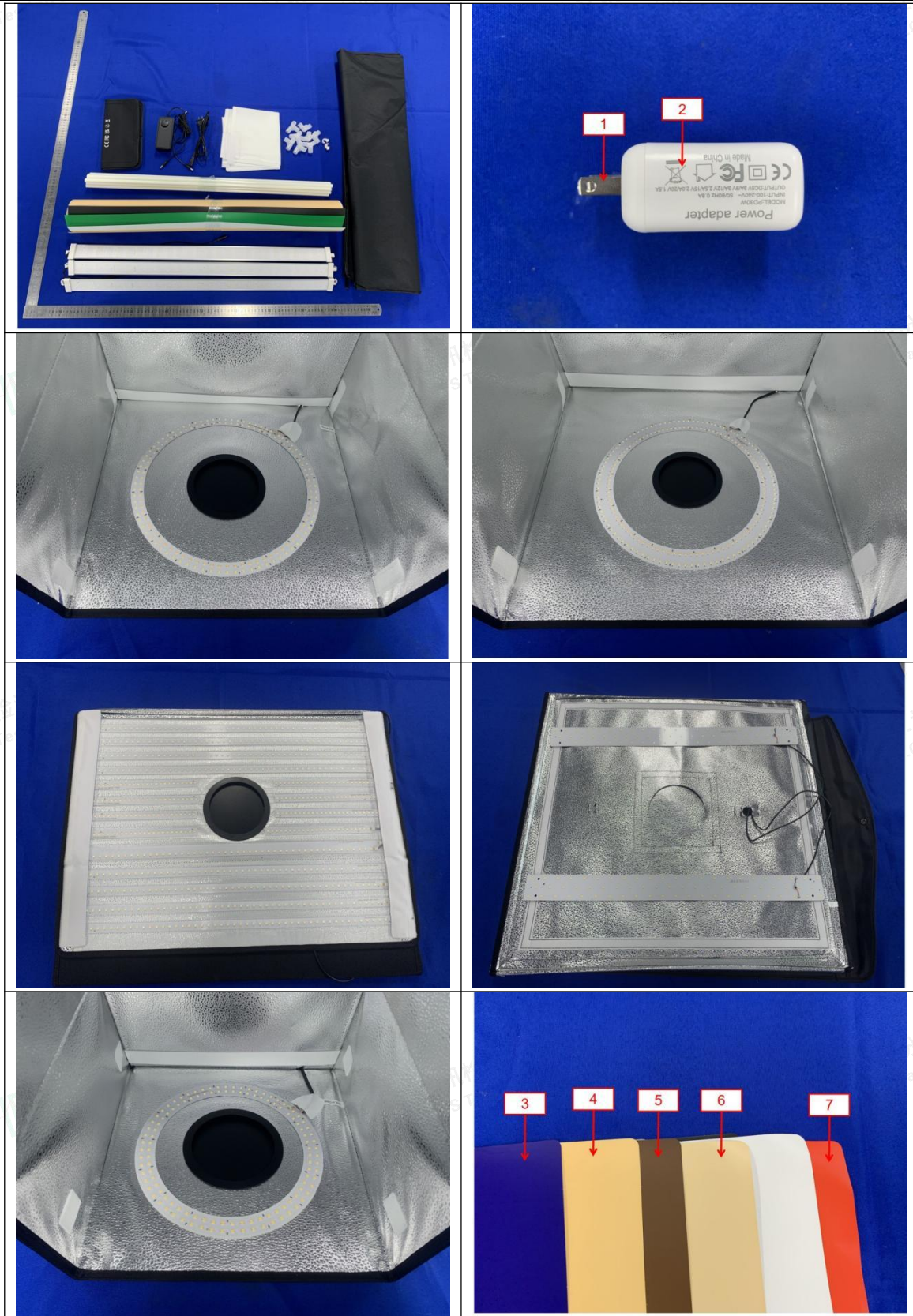




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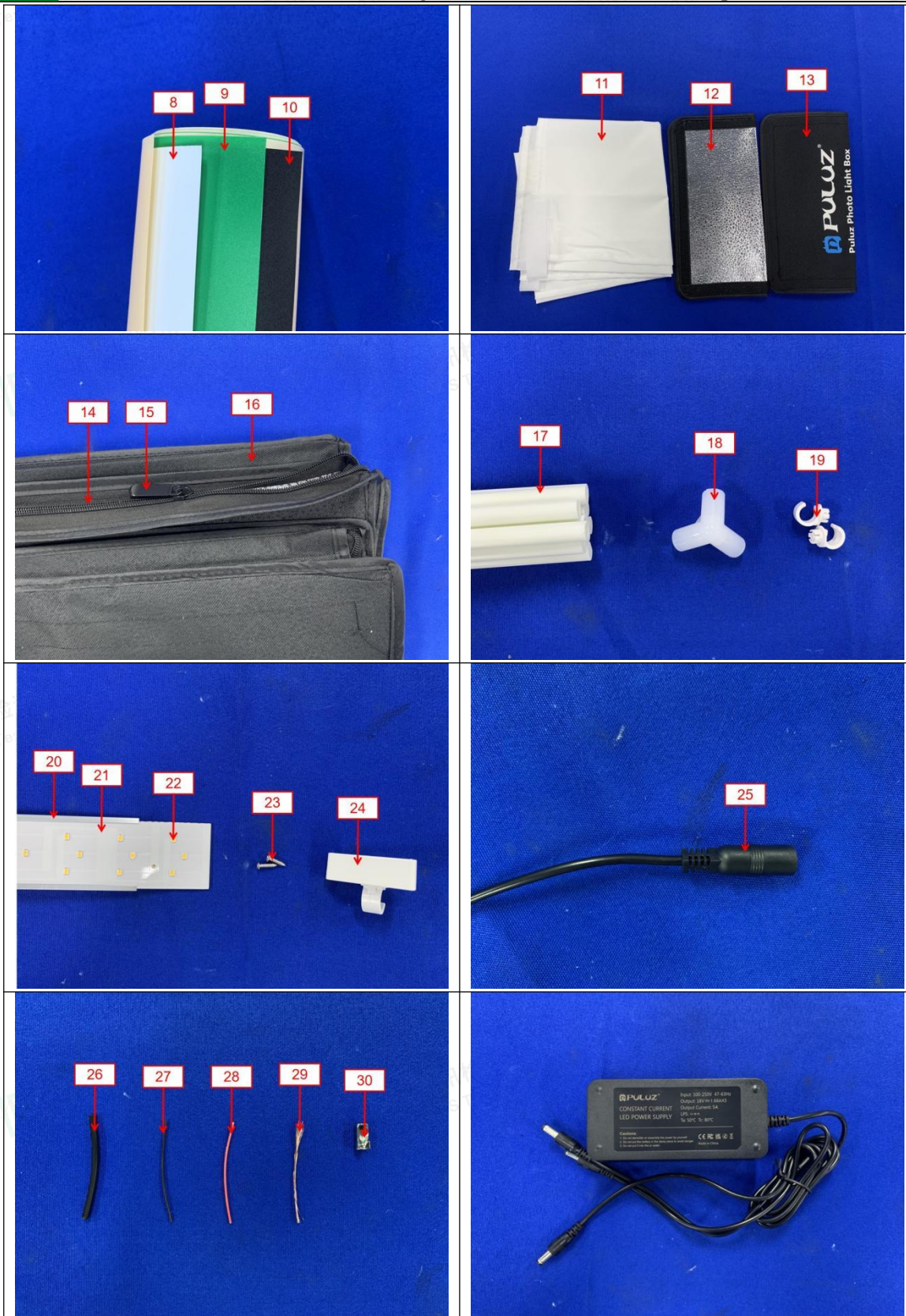
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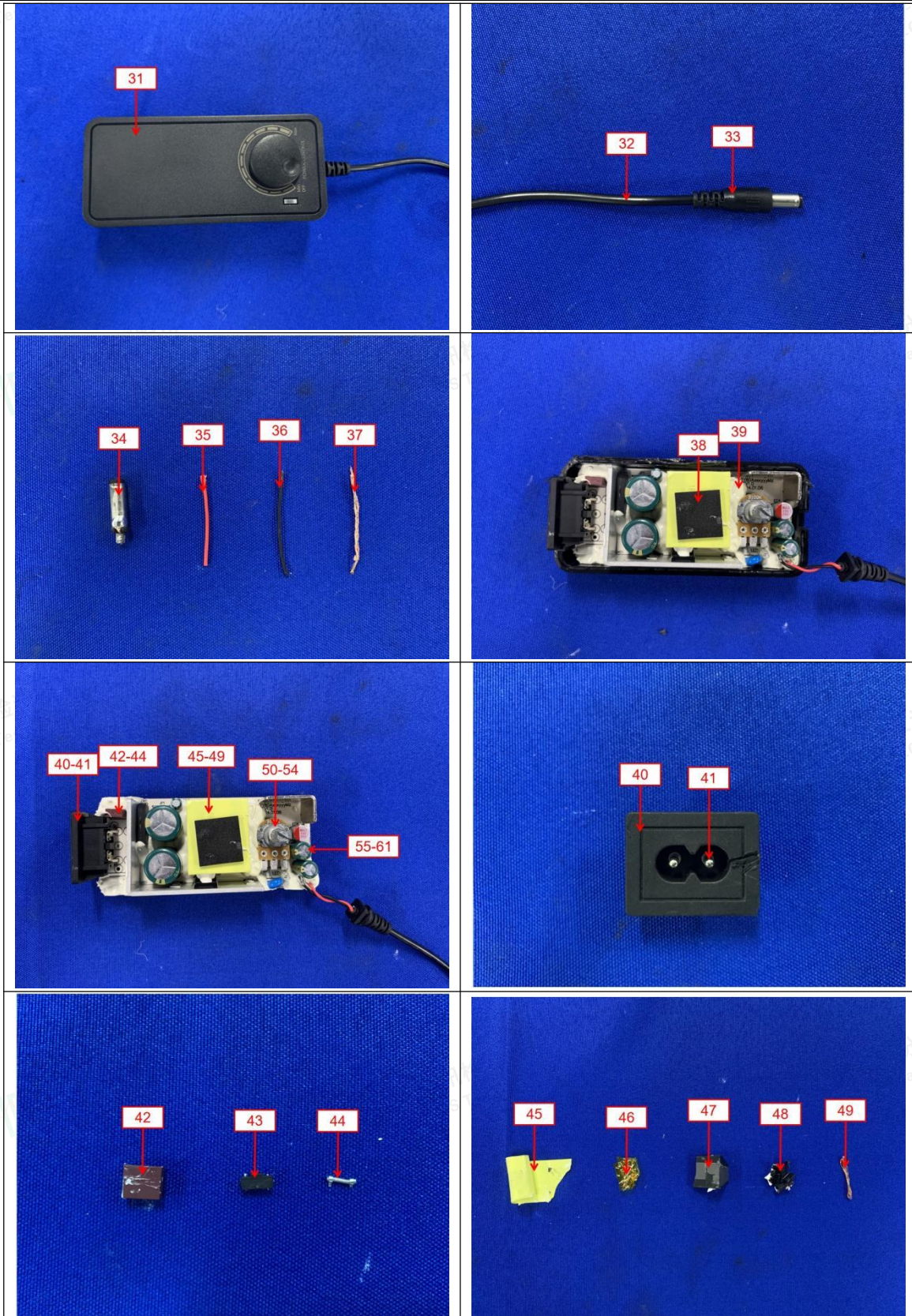
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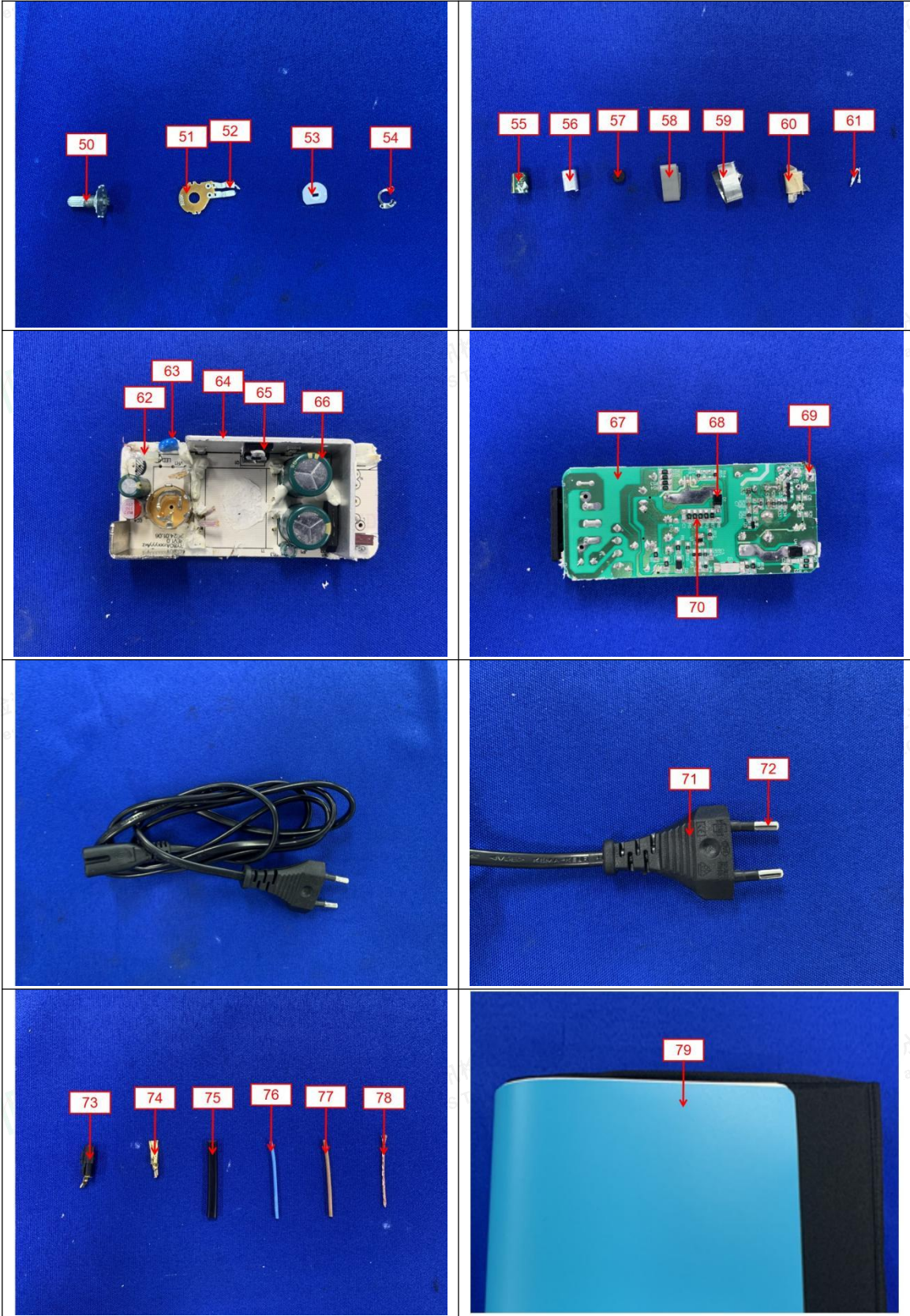
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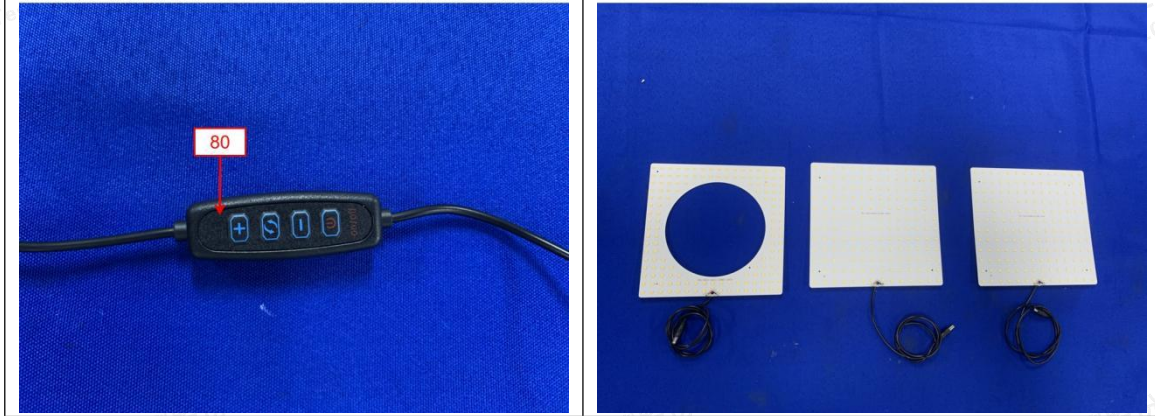
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**Statement:**

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.

*** End of Report ***

