



**REPORT No.: DTI2025EE030610-2-2-1E**Date: 2025-06-24

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Applicant Company Name: Xinsu Global Electronic Co., Limited

Applicant Company Address: Unit 2508A, 25/F Bank Of America Tower, 12 Harcourt Road Central, HONG KONG.

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Name : SWITCHING POWER SUPPLY/ADAPTER/CHARGER

XSGxxxyyyyzz,XSGxxxyyyy,XSExxxyyyyzz,XSExxxyyyy,XSECxxxyyyyzz,

XSECxxxyyyy XSG, XSGxxxyyyyy,

XSGxxxyyyyyzz,XSExxxyyyyy,XSExxxyyyyyzz,

Model No. : XSECxxxyyyyy, XSECxxxyyyyyzz , XSE, XSEC stand for Xinsu Global Electronic

Co.,Limited xxx ,stand for output voltage.

yyyy,yyyystand for output current in milliamperes (mA).

zz =EU, US, CN, JP, AU, KR, UK, SG, CH, FR, AR, BR, ZA, IN, MM

Manufacturer : Xinsu Global Electronic Co., Limited

Manufacturer Address :: Unit 2508A, 25/F Bank Of America Tower, 12 Harcourt Road Central, HONG KONG.

Sample Receiving Date : June 10, 2025

Testing Period : From June 10, 2025 to June 16, 2025

Results : Please refer to next page(s).

**Summary of Test Results:** 

TEST REQUEST CONCLUSION

A EU RoHS Directive 2011/65/EU and its amendment directives 2015/863/EU (RoHS)

Pass

Shenzhen Deesev Testing International Corp

Approved by:

lab manager

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### TEST REPORT

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Results:

#### 1. EU RoHS Directive 2011/65/EU and its amendment directives on XRF

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

Seq.	Total Park(a)	Results					
No.	Tested Part(s)	Pb	Cd	Hg	Cr	Br	
20	Black Plastic Case	BL	BL	BL	BL	BL	
2	Black Plastic Cover	BL	BL	BL	BL	BL	
3	Black Plastic Sheet	BL	BL	BL	BL	BL	
4	Silver Metal Case	BL	BL	BL	BL	N/A	
5	PCB	BL	BL	BL	BL	BL	
6	Solder Point	BL	BL	BL	BL	N/A	
7	Patch Diode	BL	BL	BL	BL	BL	
8	Black Ceramic Body Chip	BL	BL	BL	BL	BL	
9	Patch Resistor	BL	BL	BL	BL	BL	
10	Multiplayer Ceramic Chip Capacitors	BL	BL	BL	BL	BL	
11	Patch Diode	BL	BL	BL	BL	BL	
12	Triode	BL	BL	BL	BL	BL	
13	Bridge Pile	BL	BL	BL	BL	BL	
14	Silver Metal Pin	BL	BL	BL	BL	N/A	
15	Electrolytic Capacitor Outer Layer Plastic Leather	BL	BL	BL	BL	BL	
16	Electrolytic Capacitor Silver Metal Case	BL	BL	BL	BL	N/A	
17	Electrolytic Capacitor Internal Sticker	BL	BL	BL	BL	BL	
18	Blue Ceramic Capacitors	BL	BL	BL	BL	BL	
19	Silver Metal Pin	BL	BL	BL	BL	N/A	
20	Terminal Black Plastic	BL	BL®	BL	BL	BL	

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Seq.			Ì	Result	s	
No.	Tested Part(s)	Pb	Cd	Hg	Cr	Br
21	Terminal Silver Metal Needles	BL	BL	BL	BL	N/A
22	LED	BL	BL	BL	BL	BL
23	White Plastic Case	BL	BL	BL	BL	BL
24	Silver Metal Pin	BL	BL	BL	BL	BL
25	Toroid Inductor	BL	BL	BL	BL	BL
26	Copper Winding	BL	BL	BL	BL	N/A
€ 27	Translucent Plastic Sleeve	BL	BL	BL	BL	BL
28	Silver Metal Case	BL	BL	BL	BL	N/A
29	Triode	BL	BL	BL	BL	BL
30	Silver Metal Pin	BL	BL	BL	BL	N/A
31	Yellow Plastic Sticker	BL	BL	BL	BL	BL
32	Black Square Magnetic Ring	BL	BL	BL	BL	BL
33	Transformer Ceramic Frame	BL	BL	BL	BL	BL
34	Transformer Copper Winding	BL	BL	BL	BL®	N/A
35	Silver Metal Pin	BL	BL	BL	BL	N/A
36	White Viscose	BL	BL	BL	BL	BL
37	Yellow Plastic Wire Outer Skin	BL	BL	BL	BL	BL
38	Black Plastic Wire Outer Skin	BL	BL	BL	BL	BL
39	Wire Internal Metal Wire	BL	BL	BL	BL	N/A
40	Safety Gauge Capacitance	BL	BL	BL	BL	BL

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Seq.	Tooted Doubles	Results						
No.	Tested Part(s)	Pb	Cd	Hg	Cr	Br		
41	Black Ceramic Capacitors	BL	BL	BL	BL	BL		
42	Black Plastic Case	BL	BL	BL	BL	BL		
43	Black Plastic Frame	BL	BL	BL	BL	BL		
44	Silver Metal Sheet	BL	BL	BL	BL	N/A		
45	Gold Metal Sheet	BL	BL	BL	BL	N/A		
46	Copper Sheet	BL	BL	BL	BL	N/A		
47	Copper Winding	BL	BL	BL	BL	N/A		
48	Fuse Plastic Sleeve	BL	BL	BL	BL	BL		
49	Fuse Metal Cover	BL	BL	BL	BL	BL		
50	Fuse Glass Tube	BL	BL	BL	BL	BL		
51	Silver Metal Fuse	BL	BL	BL	BL	N/A		
52	Green Square Magnetic Ring	BL	BL	BL	BL	BL		
53	Transformer Ceramic Frame	BL	BL	BL	BL	BL		
54	Transformer Copper Winding	BL	BL	BL	BL	N/A		
55	CBB Capacitor	BL	BL	BL	BL	BL		
56	Silver Metal Pin	BL	BL	BL	BL	N/A		
57	PCB	BL	BL	BL	BL	BL		
58	Solder Point	BL	BL	BL	BL	N/A		
59	White Viscose	BL	BL	BL	BL	BL		
60	Black Ceramic Body Chip	BL	BL	BL	BL	BL		

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Seq.	Tooks of Dovik(s)	Results					
No.	Tested Part(s)	Pb	Cd	Hg	Cr	Br	
61	Patch Resistor	BL	BL	BL	BL	BL	
62	Multiplayer Ceramic Chip Capacitors	BL	BL	BL	BL	BL	
63	Triode	BL	BL	BL	BL	BL	
64	White Plastic Case	BL	BL	BL	BL	BL	
65	Silver Metal Needle	BL	BL	BL	BL	N/A	
66	Black Plastic Case	BL	BL	BL	BL	BL	
67	Silver Metal Plug	BL	BL	BL	BL	BL	
68	Silver Metal Sheet	BL	BL	BL	BL	BL	
69	Solder Point	BL	BL	BL	BL	N/A	
70	Black Heat Shrink Tube Sleeve	BL	BL	BL	BL	BL	
72	Blue Plastic Wire Outer Skin	BL	BL	BL	BL	BL	
73	Yellow Green Plastic Wire Outer Skin	BL	BL	BL	BL	BL	
74	Wire Internal Metal Wire	BL	BL	BL	BL	N/A	
75	Silver Metal Screw	BL	BL	BL	BL	N/A	
76	Black Metal Screw	BL	BL	BL	BL	N/A	
77	Black Soft Plastic Gasket	BL	BL	BL	BL	BL	
78	Black Plastic Fasteners	BL	BL	BL	BL	BL	
79	Grey Plastic Case	BL	BL	BL	BL	BL	
80	Silver Metal Sheet	BL	BL	BL	BL	N/A	

\*

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Seq.	Tootod Double)	Results						
No.	Tested Part(s)	Pb	Cd	Hg	Cr	Br		
81	Solder Point	BL	BL	BL	BL	N/A		
82	Black Plastic Skin	BL	BL	BL	BL	BL		
83	Black Plastic Wire Outer Skin	BL	BL	BL	BL	BL		
84	Red Plastic Wire Outer Skin	BL	BL	BL	BL	BL		
85	Wire Internal Metal Wire	BL	BL	BL	BL	N/A		
86	Black Plastic Fan	BL	BL	BL	BL	BL		
87	Black Plastic Fan Blade	BL	BL	y BL	BL	BL		
88	White Label Sticker	BL	BL	BL	BL	BL		
89	PCB	BL	BL	BL	BL	BL		
90	Solder Point	BL	BL	BL	BL	N/A		
91	Black Magnet	BL	BL	BL	BL	BL		
92	Silicon Steel Laminated Thin Iron Sheet	BL	BL	BL	BL	BL		
93	Rotor Cooper Coils	BL	BL	BL	BL	N/A		
94	Black Plastic Skin	BL	BL	BL	BL	BL		
95	Black Plastic Wire Outer Skin	BL	BL	BL	BL	BL		
96	Red Plastic Wire Outer Skin	BL	BL	BL	BL	BL		
97	Wire Internal Metal Wire	BL	BL	BL	BL	N/A		
98	White Plastic Plug-In	BL	BL	BL	BL	BL		
99	Silver Metal Terminal	BL	BL	BL	BL	N/A		

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Remark:

(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.

Element Unit		Non-metal	Metal	Composite Materia		
Cd	mg/kg	BL≤70-3σ< X <130+3σ≤OL	BL≤70-3σ< X <130+3σ≤OL	BL≤50-3σ< X <150+3σ≤OL		
Pb	mg/kg	BL≤700-3σ< X <1300+3σ≤OL	BL≤700-3σ< X <1300+3σ≤ OL	BL≤500-3σ< X <1500+3σ≤OL		
Hg	mg/kg	BL≤700-3σ< X <1300+3σ≤OL	BL≤700-3σ< X <1300+3σ≤OL	BL≤500-3σ< X <1500+3σ≤OL		
Cr	mg/kg	BL≤700-3σ< X	BL≤700-3σ< X	BL≤500-3σ< X		
Br	mg/kg	BL≤300-3σ< X	(6)11	BL≤250-3σ< X		

#### Note:

BL = Below Limit
OL = Over Limit
X = Inconclusive
N/A = Not Applicable

(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.

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(3) The maximum permissible limit is quoted from the document 2011/65/EU and its amendment directives 2015/863/EU:

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		
Polybrominate ddiphenylethers (PBDEs)	≤1000		
Di-2-ethylhexyl phthalate (DEHP)	≤1000		
Benzyl-n-butyl phthalate (BBP)	≤1000		
Di-n-butyl phthalate (DBP)	≤1000		
Di-iso-butyl phthalate (DIBP)	≤1000		

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#### TEST REPORT

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2. The Test Results of Chemical Method:

Test method:

Lead, Cadmium, Mercury Content:

With reference to IEC 62321-5:2013 and IEC 62321-4:2013+AMD1:2017, by acid digestion and analysis was performed by Inductively Coupled Plasma- Optical Emission Spectrophotometer (ICP-OES)

Hexavalent Chromium Content (For metal material):

With reference to IEC 62321-7-1:2015, by boiling-water-extraction and analysis was performed by UV-visible spectrophotometer (UV-Vis)

Hexavalent Chromium Content (For non-metal material):

With reference to IEC 62321-7-2:2017, by alkaline digestion and 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)

DEHP, BBP, DBP&.DIBP content:

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

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1) The test results of Pb

14	1114	MDI		1 : :4			
Item	Unit	MDL	7 <sub>ori</sub>	1170	13	29	Limit
Lead(Pb)	mg/kg	2	9319*	9064*	2293*	8491*	≤1000
Conclusion			Pass	Pass	Pass	Pass	1

#### Note:

- ND = Not Detected
- MDL = Method Detection Limit
- mg/kg = ppm
- \*=According to the declaration from the client, Lead (Pb) in the sample is exempted by EU RoHS Directive 2011/65/EU based on 7(c)-I:Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors.

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2) The test results of PBBs & PBDEs

160.00	Unit	MDL		1 : :4				
ltem	Unit	MIDL	5	20	40	42	43	Limit
Polybrominated Biphenyls (PBBs)								
Monobromobiphenyl	mg/kg	5	ND	ND	ND	ND	ND	1
Dibromobiphenyl	mg/kg	5	ND	ND	ND	ND	ND	1
Tribromobiphenyl	mg/kg	5	ND	ND 🧐	ND	ND	ND	(ALI)
Tetrabromobiphenyl	mg/kg	5	ND	ND	ND	ND	ND	1
Pentabromobiphenyl	mg/kg	5	ND	ND	ND	ND	ND	1
Hexabromobiphenyl	mg/kg	5	ND	ND	ND	ND	ND	(1)
Heptabromobiphenyl	mg/kg	5	ND	ND	ND	ND	ND	1
Octabromobiphenyl	mg/kg	5	ND	ND	ND	ND	ND	1
Nonabromodiphenyl	mg/kg	5	ND	ND	ND	ND	ND	1
Decabromodiphenyl	mg/kg	5	ND ®	ND	ND	ND	ND <sup>©</sup>	1 (0)
Total content	mg/kg	/	ND	ND	ND	ND	ND	≤1000
Polybrominated Diphenylethers (PBI	DEs)(Mon	-Deca)						
Monobromodiphenyl ether	mg/kg	5	ND	ND	ND	ND	ND	(VO)
Dibromodiphenyl ether	mg/kg	5	ND	ND	ND	ND	ND	1
Tribromodiphenyl ether	mg/kg	5	ND	ND	ND	ND	ND	1
Tetrabromodiphenyl ether	mg/kg	5	ND	ND	ND	ND	ND	
Pentabromodiphenyl ether	mg/kg	5 (2)	ND	ND	ND	ND®	ND	(0)
Hexabromodiphenyl ether	mg/kg	5	ND	ND	ND	ND	ND	1
Heptabromodiphenyl ether	mg/kg	5	ND	ND	ND	ND	ND	1
Octabromodiphenyl ether	mg/kg	05	ND	ND	ND	ND	ND	(oril
Nonabromodiphenyl ether	mg/kg	5	ND	ND	ND	ND	ND	1
Decabromodiphenyl ether	mg/kg	5	ND	ND	ND	ND	ND	1
Total content	mg/kg	0 /	ND	ND	ND	ND	ND	≤1000
Conclusion	1	/	Pass	Pass	Pass	Pass	Pass	1

\*

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Hom	Unit	MDI	No.	Resi	ults		Limit
Item	Unit	MDL	57	66	86	87	Limit
Polybrominated Biphenyls (PBBs)							
Monobromobiphenyl	mg/kg	5	ND (Q)	ND <sup>©</sup>	ND	ND	0, 1 (0)
Dibromobiphenyl	mg/kg	5	ND	ND	ND	ND	1
Tribromobiphenyl	mg/kg	5	ND	ND	ND	ND	1
Tetrabromobiphenyl	mg/kg	015	ND	ND	ND	ND	(ATI)
Pentabromobiphenyl	mg/kg	5	ND	ND	ND	ND	1
Hexabromobiphenyl	mg/kg	5	ND	ND	ND	ND	1
Heptabromobiphenyl	mg/kg	5	ND	ND	ND	ND	ati) /
Octabromobiphenyl	mg/kg	5	ND	ND	ND	ND	1
Nonabromodiphenyl	mg/kg	5	ND	ND	ND	ND	1
Decabromodiphenyl	mg/kg	5	ND	ND	ND	ND	1
Total content	mg/kg	1	ND	ND (OT)	ND 💇	ND 🧐	≤1000
Polybrominated Diphenylethers (PBI	DEs)(Mon	-Deca)					
Monobromodiphenyl ether	mg/kg	5	ND	ND	ND	ND	1
Dibromodiphenyl ether	mg/kg	<b>①</b> 5	ND	ND	ND	ND	(Arg)
Tribromodiphenyl ether	mg/kg	5	ND	ND	ND	ND	1
Tetrabromodiphenyl ether	mg/kg	5	ND	ND	ND	ND	1
Pentabromodiphenyl ether	mg/kg	5	ND	ND	ND	ND	1
Hexabromodiphenyl ether	mg/kg	5 🔍	ND P	ND	ND	ND	(01)
Heptabromodiphenyl ether	mg/kg	5	ND	ND	ND	ND	1
Octabromodiphenyl ether	mg/kg	5	ND	ND	ND	ND	1
Nonabromodiphenyl ether	mg/kg	5	ND	ND	ND	ND	OTI
Decabromodiphenyl ether	mg/kg	5	ND	ND	ND	ND	1
Total content	mg/kg	1	ND	ND	ND	ND	≤1000
Conclusion	1 %	1	Pass	Pass	Pass	Pass	

#### Note:

- ND = Not Detected
- mg/kg = ppm
- MDL = Method Detection Limit

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3) The test results of DEHP, BBP, DBP & DIBP

	Unit	MDL		1				
il oril oril	Unit	MDL	1 (	5112	3	5011	7	Limit
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	ND	ND ®	ND	ND	ND	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000
Conclusion	1	1	Pass	Pass	Pass	Pass	Pass	1

ltem	I Imit	MDL			Limit			
nem	Unit		8	9	10	11	12	Limit
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	ND®	ND	ND	ND	ND	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000
Conclusion	1	1	Pass	Pass	Pass	Pass	Pass	/

(6)	(2)	(0)			(0)			
Item	Unit	MDL	13	15	17	18	20	Limit
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	ND	ND	∭ND	ND	ND	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	ND	ND	ND®	ND	ND	≤1000
Conclusion	1	1	Pass	Pass	Pass	Pass	Pass	1

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

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<b>M</b>	1114	MDI	100		Results	Results			
Item	Unit	MDL 22 23 25 2		27	29	Limit			
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	3001	ND (	ND	ND	ND	ND	≤1000	
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000	
Di-n-butyl phthalate (DBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000	
Di-iso-butyl phthalate (DIBP)	mg/kg	30	ND	ND®	ND	ND	ND	≤1000	
Conclusion	1	1	Pass	Pass	Pass	Pass	Pass	/	

in the teach	DI		OTI	DIII	Results	)	orli	(DTI)
ltem	Unit	MDL	31	32	33	36	37	Limit
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000
Conclusion	/	1	Pass	Pass	Pass	Pass	Pass	1

(pri) Item <sup>ri)</sup> (pri)	Unit	MDL	0		Limit					
item	Unit		Offic Wide	OTHE WIDE	Onit MDE	38	40	41	42	43
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000		
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	ND	ND (	ND	ND	ND	≤1000		
Di-n-butyl phthalate (DBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000		
Di-iso-butyl phthalate (DIBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000		
Conclusion	10	1	Pass	Pass	Pass	Pass	Pass	(5)		

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		MDI	Results						
Item	Unit	MDL	48	50	52	53	55	Limit	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	3000	ND	ND	ND	ND	ND	≤1000	
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000	
Di-n-butyl phthalate (DBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000	
Di-iso-butyl phthalate (DIBP)	mg/kg	30	ND	ND®	ND	ND	ND	≤1000	
Conclusion	1	1	Pass	Pass	Pass	Pass	Pass	/	

ord ord ord	(DT	)	DTII	DTI	Results		DTII	(DTI)	
Item	Unit	MDL	57	59	60	61	62	Limit	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000	
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000	
Di-n-butyl phthalate (DBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000	
Di-iso-butyl phthalate (DIBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000	
Conclusion	1	1	Pass	Pass	Pass	Pass	Pass	/	

(DTI) Item <sup>TI)</sup> (DTI)	Unit	MDL			(D) imit			
item			63	64	66	70	72	Limit
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	ND	ND (	ND	ND	ND	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000
Conclusion	10	" /	Pass	Pass	Pass	Pass	Pass	(071)

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	1114	MDI	5.0		l imais			
Item	Unit	MDL	73	77	78	79	82	Limit
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	3000	ND	ND	ND	ND	ND	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	ND	ND <sup>®</sup>	ND	ND	ND	≤1000
Conclusion	1	1	Pass	Pass	Pass	Pass	Pass	/

ord ord ord	(DT)	D	DTII	DTI	Results		DTII	(DTI)	
Item	Unit	MDL	86	84	86	87	88	Limit	
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000	
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000	
Di-n-butyl phthalate (DBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000	
Di-iso-butyl phthalate (DIBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000	
Conclusion	1	1	Pass	Pass	Pass	Pass	Pass	/	

(pri) Item <sup>(T)</sup> (pri)	Unit	MDL	0		Limit					
item	Unit		Offic Wibles	Onit MDL	Ollit Wibe	89	91	94	95	96
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000		
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	ND	ND (	ND	ND	ND	≤1000		
Di-n-butyl phthalate (DBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000		
Di-iso-butyl phthalate (DIBP)	mg/kg	30	ND	ND	ND	ND	ND	≤1000		
Conclusion	10	1	Pass	Pass	Pass	Pass	Pass	(5)		

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Mana	11	MDI	Results	I imais
Item	Unit	MDL	98	Limit
Di-2-ethylhexyl phthalate (DEHP)	mg/kg	3000	ND DTI	≤1000
Benzyl-n-butyl phthalate (BBP)	mg/kg	30	ND	≤1000
Di-n-butyl phthalate (DBP)	mg/kg	30	ND	≤1000
Di-iso-butyl phthalate (DIBP)	mg/kg	30	ND OIL	≤1000
Conclusion	1	1	Pass	/

#### Note:

- ND = Not Detected
- 0.1%=1000mg/kg
- mg/kg = ppm
- MDL = Method Detection Limit
- Decision rule: According to DTI-CX-39 《Decision rule for conformity of the test results》
- Flow chart appendix is included.
- Photo appendix is included.
- The customer selects the testing site, and the chemical testing conclusion only applies to the selected part.

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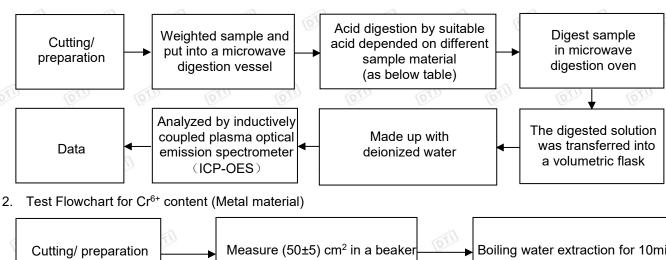
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# **Appendix**

#### **Test Flow chart**

Test Flowchart for Cd / Pb /Hg content
 These samples were dissolved totally by pre-conditioning method according to below flow chart.



Cutting/ preparation

Measure (50±5) cm² in a beaker

Boiling water extraction for 10min

A red color indicates the presence of Cr (VI). If necessary, confirm with UV-Vis

Add 1, 5-diphenylcarbazide for color development

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

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REPORT No.: DTI2025EE030610-2-2-1E Date: 2025-06-24 Page 19 of 23 Test Flowchart for Cr<sup>6+</sup> content (Non-metal material) Adjust the pH of Add digestion solution and Weighted sample extracted solution to Cutting/ heat in constant temperature and put into a 7.5 ± 0.5 and transfer preparation conical flask shaking water baths into a volumetric flask Made up with Analyzed by UV-vis Adjust the pH to 2.0 ± 0.5 and deionized water; add Data (540nm) make up with deionized water Diphenylcarbazide solution 4. Test Flowchart for PBBs & PBDEs content Add organic solvent and Weight sample and Cutting/ Concentrated/ extracted by place in a thimble dilute extracted solution preparation Ultrasonic method Cool, cleanup solution Concentrated extracted Make up with organic solvent ◀ Data Analyzed by GC-MS ← solution Test Flowchart for DEHP, BBP, DBP & DIBP content Add organic solvent and Concentrated/ Cutting/ Weight sample and extracted by dilute extracted solution preparation place in a thimble Ultrasonic method Cool, cleanup solution Concentrated extracted Analyzed by GC-MS ◀ Make up with organic solvent ← Data solution

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Sample material	Digestion Acid
Steel, copper, aluminum, solder	Aqua regia, HNO <sub>3</sub> , HCl, HF, H <sub>2</sub> O <sub>2</sub>
Glass	HNO <sub>3</sub> /HF
Gold, platinum, palladium, ceramic	Aqua regia
Silver	HNO <sub>3</sub>
Plastic	H <sub>2</sub> SO <sub>4</sub> , H <sub>2</sub> O <sub>2</sub> , HNO <sub>3</sub> , HCI
Others	Any acid to total digestion

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### Appendix II

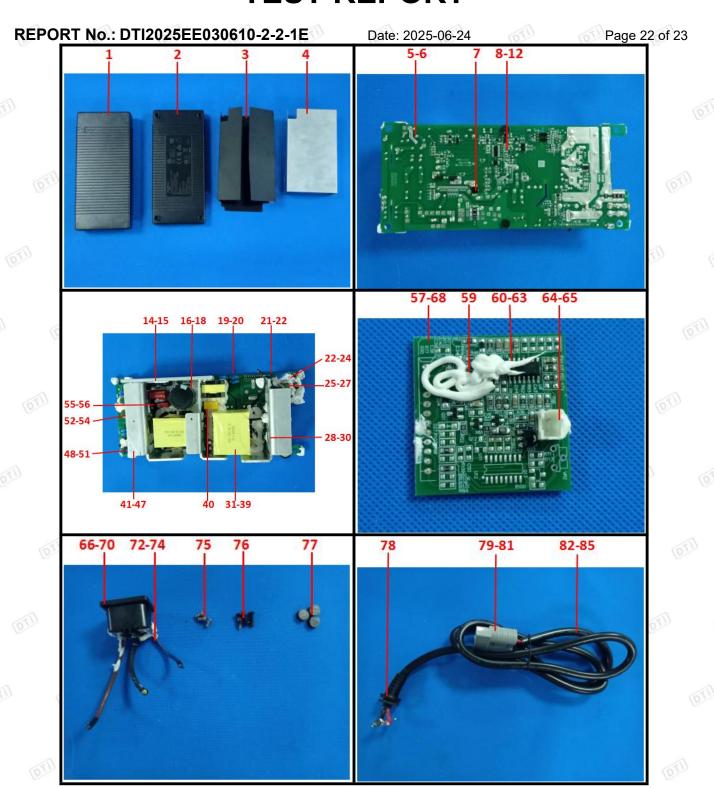
Photograph of Sample



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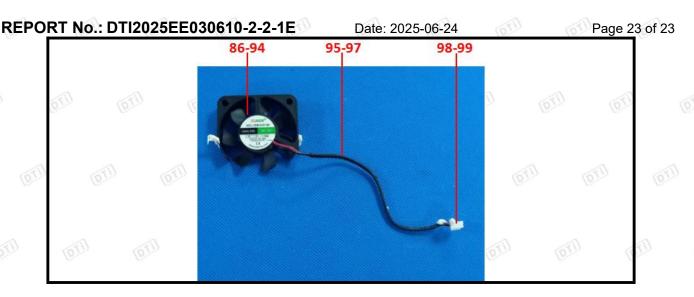




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\*\*\* End of Report \*\*\*

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