



TEST REPORT

Report No.: CTL2505262091-Q

Date: Jun. 11, 2025

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Customer: GAINSCHA AUTO ID CO., LTD.

Customer Address: 8-9 Floor, Building 2, No. 625, Xinsha Fifth Street, High-tech Zone, Zhuhai

Sample Name: Portable label printer

Trademark: Gainscha

Manufacturer: GAINSCHA AUTO ID CO., LTD.

Manufacturer Address: 8-9 Floor, Building 2, No. 625, Xinsha Fifth Street, High-tech Zone, Zhuhai

Tested Model: B300

Additional Model: ZH380A, ZHQ80, ZHKD01, ZHKD02, ZHKD03, ZH280A, ZHQ58, B300, B310, B320, B330, B350, B360, B380, B388, B300S, M300, M310, M320, M330, M350, M360, M380, M388, M300S, P300, P310, P320, P330, P350, P360, P380, P388, P300S, GS388, GS388A, GS388X, GS300S, GS380

The above samples and information are provided by the customer

Sample Received Date: May 27, 2025

Test Period: May 27, 2025 ~ Jun 09, 2025

Test Requirements: The submitted samples were tested according to 2011/65/EU and (EU)2015/863 by client's requirements.

Test Method: Please refer to next page(s).

Test Result: Please refer to next page(s).

Test Conclusion: **PASS**

Result Summary:

Test Requested	Conclusion
1. RoHS Directive 2011/65/EU Annex II amending Directive (EU)2015/863 —Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs Content	PASS
—Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content	PASS

Written by:

Approved by:



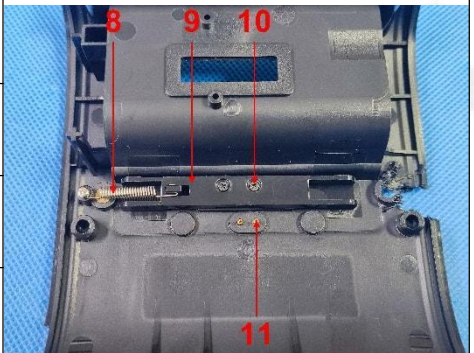
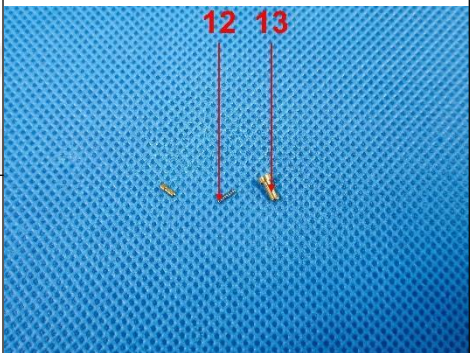
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2. Test Item Description And Photo List

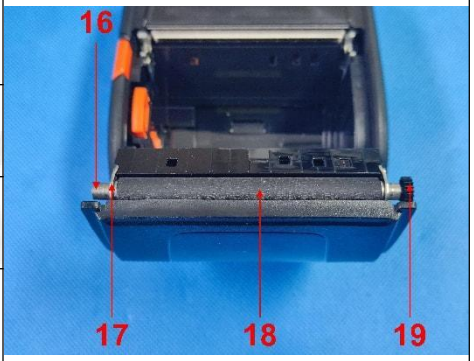
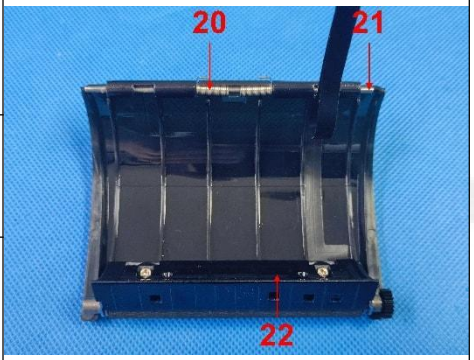
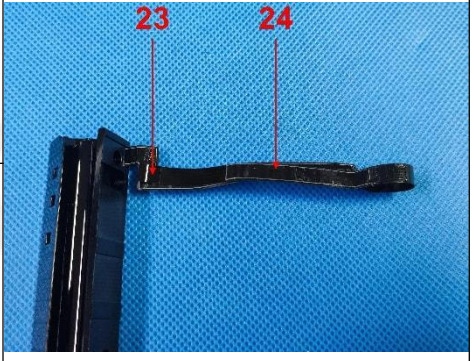
Sample No.	Description	Model/Style	Photograph
001	Silvery plastic with black printing (label)	B300	
002	White paper with black printing	B300	
003	Black soft plastic	B300	
004	Silvery metal (screw)	B300	
005	Black plastic	B300	
006	Black soft plastic	B300	
007	Golden metal	B300	
008	Silvery metal	B300	
009	Black plastic	B300	
010	Silvery metal with black plating (screw)	B300	
011	Golden metal	B300	
012	Silvery metal (spring)	B300	
013	Golden metal	B300	

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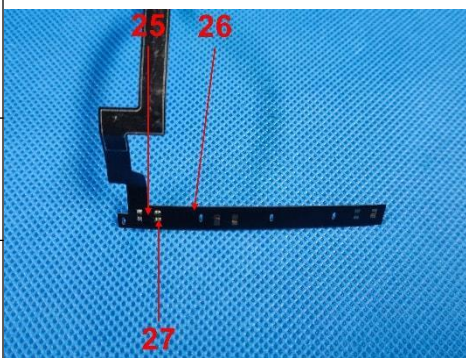
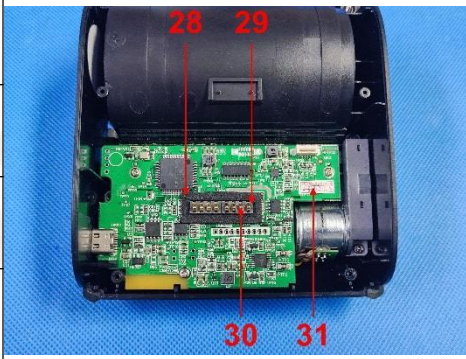
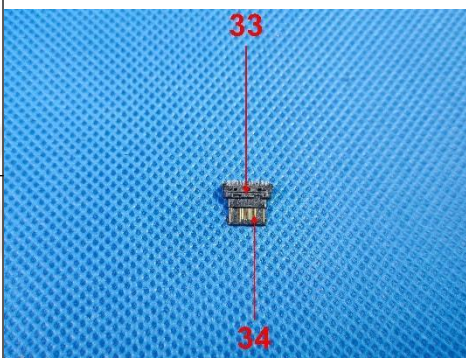
Sample No.	Description	Model/Style	Photograph
014	Orange plastic	B300	
015	Black plastic	B300	
016	Silvery metal	B300	
017	Silvery metal	B300	
018	Black soft plastic	B300	
019	Black plastic	B300	
020	Silvery metal	B300	
021	Silvery metal	B300	
022	Black plastic	B300	
023	Black plastic	B300	
024	Transparent double-sided glue	B300	

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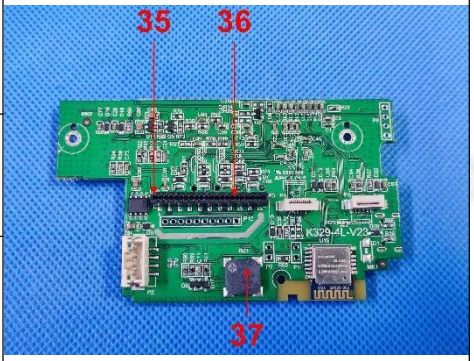
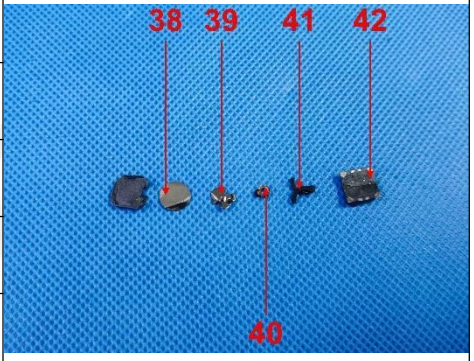
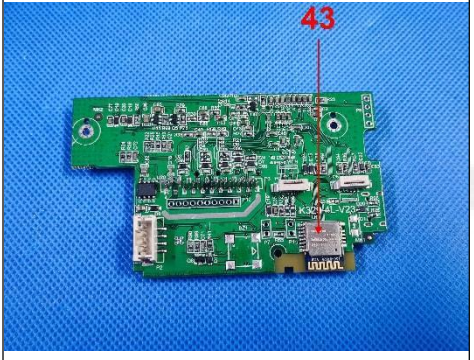
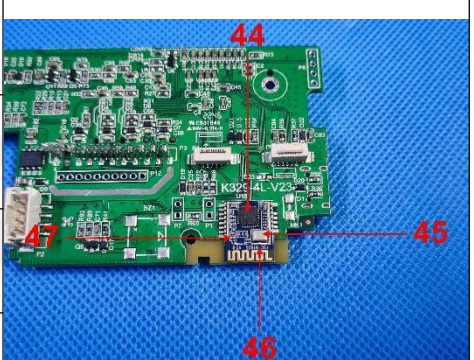
Sample No.	Description	Model/Style	Photograph
025	Black body	B300	
026	Black FPC	B300	
027	Silvery solder	B300	
028	Black foam	B300	
029	Grey plastic	B300	
030	Silvery metal with golden plating	B300	
031	White paper with red printing	B300	
032	Silvery metal	B300	
033	Grey plastic	B300	
034	Silvery metal with golden plating	B300	

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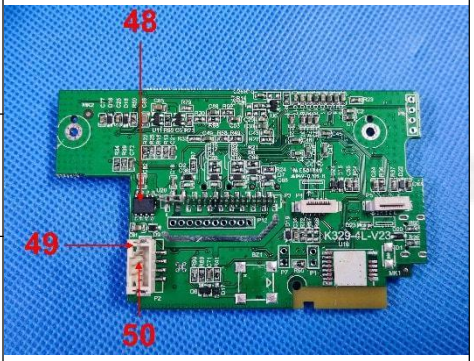
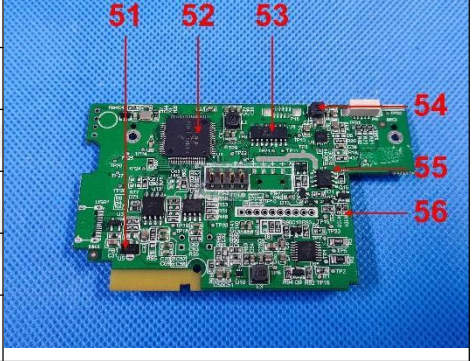
Sample No.	Description	Model/Style	Photograph
035	Black plastic	B300	
036	Silvery metal	B300	
037	Grey plastic	B300	
038	Silvery metal	B300	
039	Silvery metal	B300	
040	Coppery metal	B300	
041	Black magnet	B300	
042	Grey plastic	B300	
043	Silvery metal	B300	
044	Black body	B300	
045	Silvery body (crystal)	B300	
046	Blue PCB	B300	
047	Silvery solder	B300	

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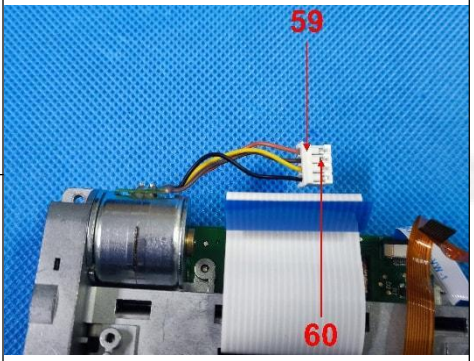
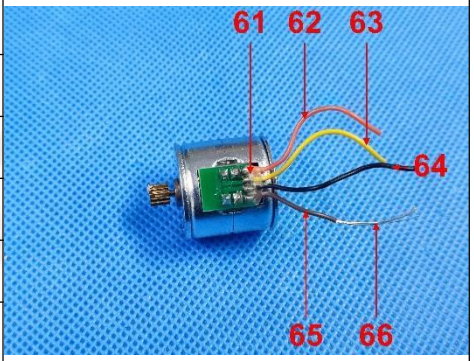
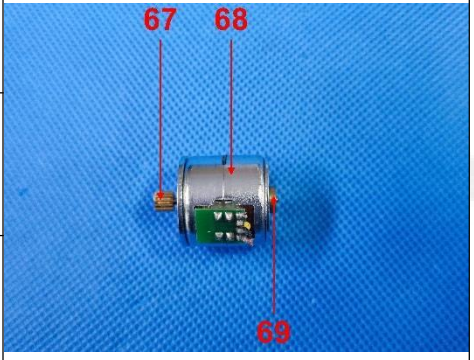
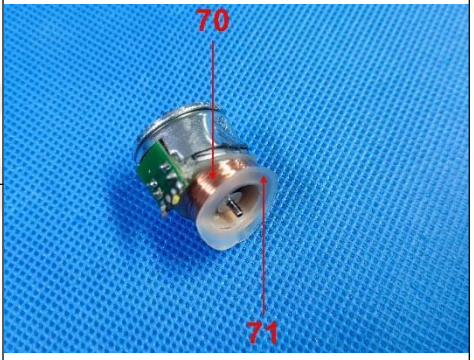
Sample No.	Description	Model/Style	Photograph
048	Black body	B300	
049	Beige plastic	B300	
050	Silvery metal	B300	
051	Black body	B300	
052	Black body	B300	
053	Black body	B300	
054	Grey body	B300	
055	Green PCB	B300	
056	Silvery solder	B300	
057	Black plastic	B300	
058	Silvery metal	B300	

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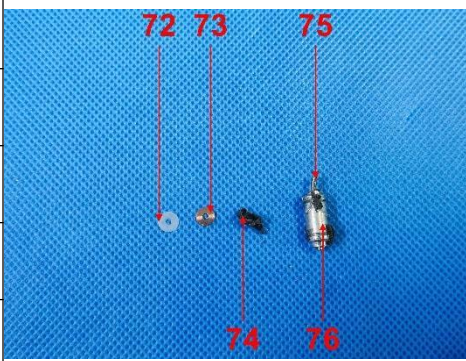
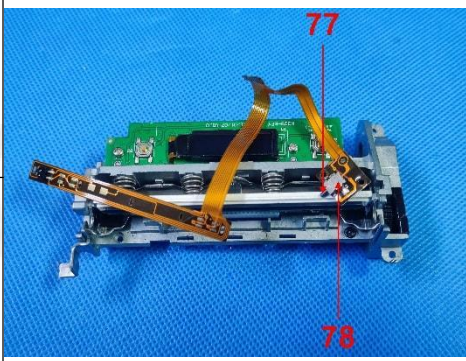
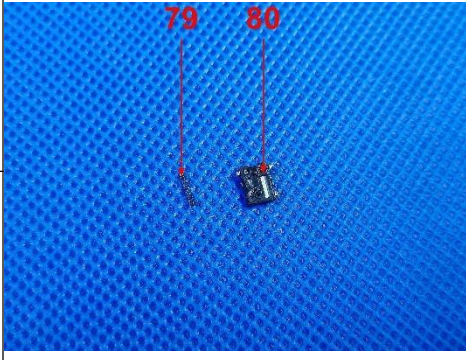
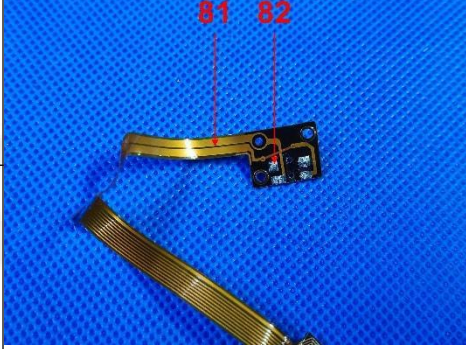
Sample No.	Description	Model/Style	Photograph
059	White plastic	B300	
060	Silvery metal	B300	
061	Translucent glue	B300	
062	Orange soft plastic (wire jacket)	B300	
063	Yellow soft plastic (wire jacket)	B300	
064	Black soft plastic (wire jacket)	B300	
065	Brown soft plastic (wire jacket)	B300	
066	Silvery metal (wire core)	B300	
067	Golden metal	B300	
068	Silvery metal	B300	
069	Golden metal	B300	
070	Coppery metal	B300	
071	Translucent plastic	B300	

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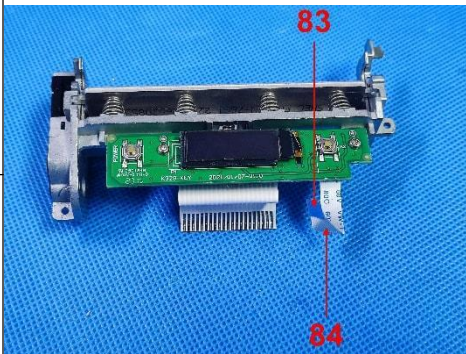
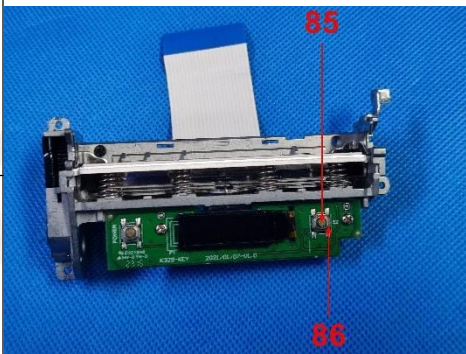
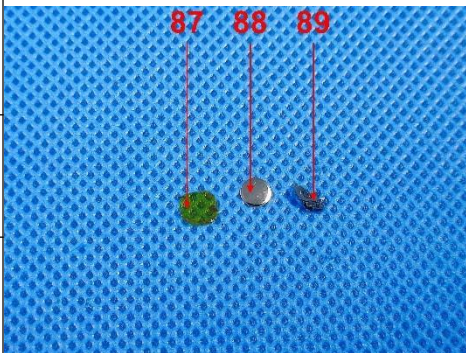
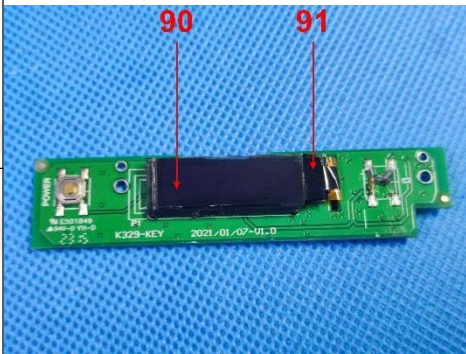
Sample No.	Description	Model/Style	Photograph
072	White plastic	B300	
073	Coppery metal	B300	
074	Black magnet	B300	
075	Silvery metal	B300	
076	Silvery metal	B300	
077	Black plastic (switch)	B300	
078	Silvery metal	B300	
079	Silvery metal (spring)	B300	
080	Grey plastic	B300	
081	Brown FPC	B300	
082	Silvery solder	B300	

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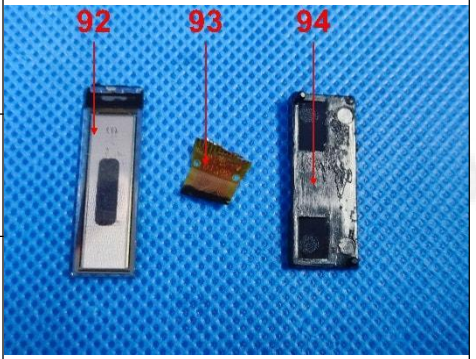
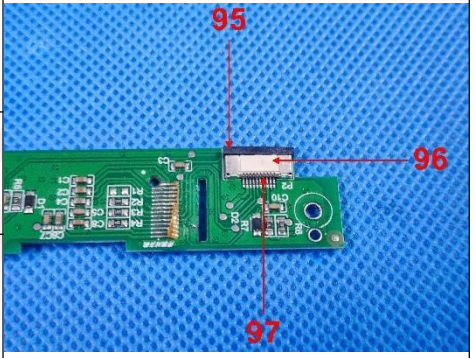
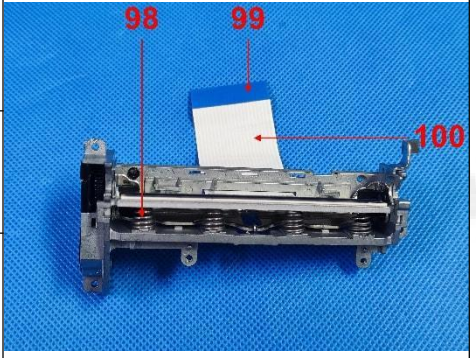
Sample No.	Description	Model/Style	Photograph
083	Blue plastic	B300	
084	White FPC	B300	
085	Golden metal (switch)	B300	
086	Silvery metal	B300	
087	Yellow plastic	B300	
088	Silvery metal	B300	
089	Grey plastic	B300	
090	Grey plastic	B300	
091	Black plastic	B300	

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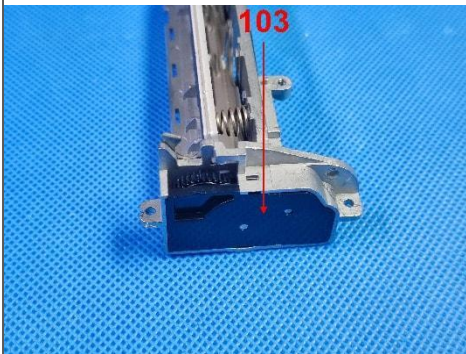
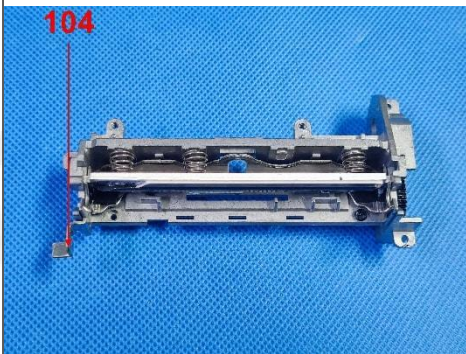
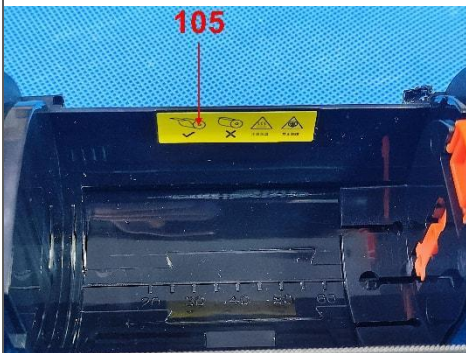
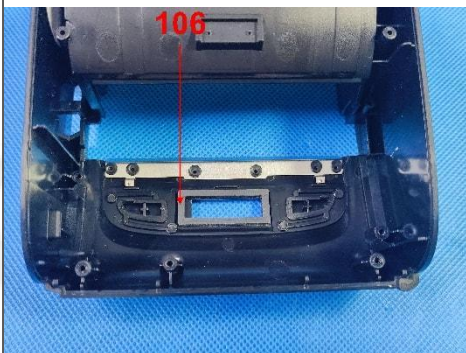
Sample No.	Description	Model/Style	Photograph
092	Transparent glass with silvery plating	B300	
093	Brown FPC	B300	
094	Black plastic	B300	
095	Grey plastic	B300	
096	Beige plastic	B300	
097	Silvery metal	B300	
098	Silvery metal (spring)	B300	
099	Blue plastic	B300	
100	White FPC	B300	
101	White ceramic with black plating	B300	
102	Silvery solder	B300	

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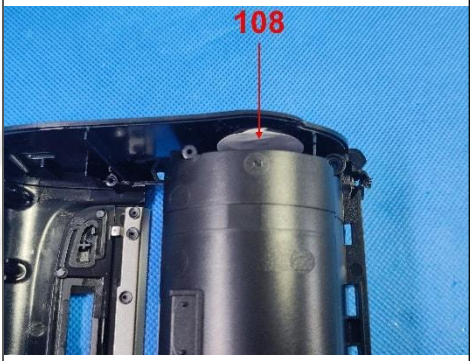
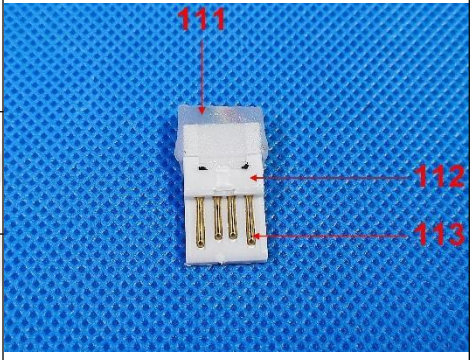
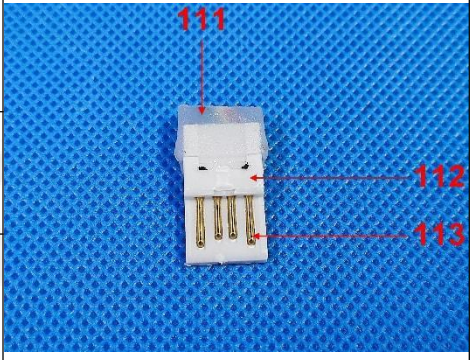
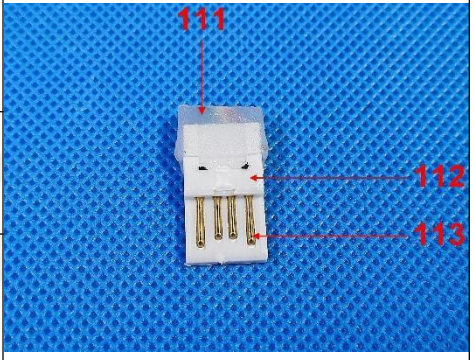
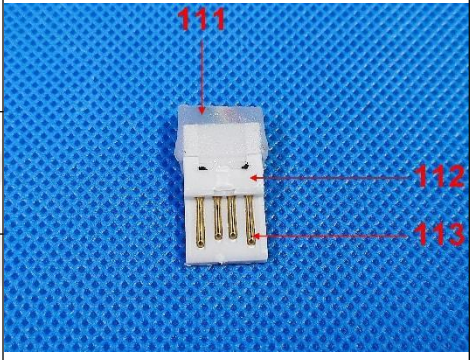
Sample No.	Description	Model/Style	Photograph
103	Black plastic	B300	
104	Silvery metal	B300	
105	Yellow plastic with black printing (label)	B300	
106	Black foam	B300	

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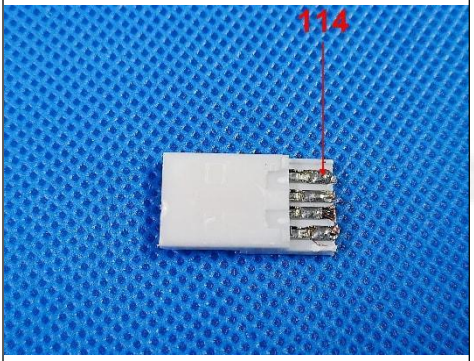
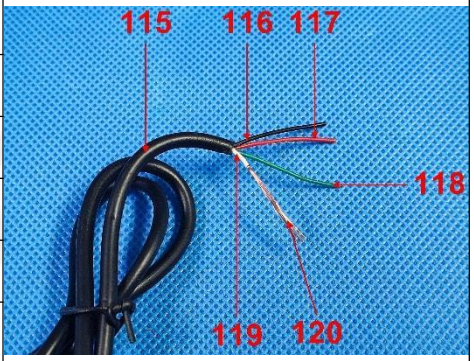
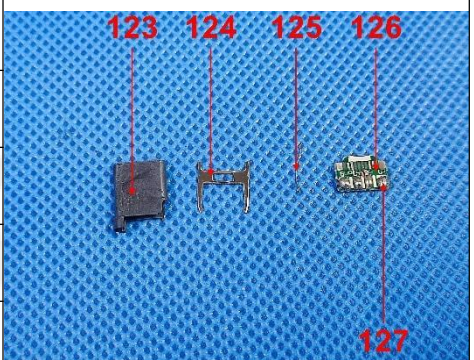
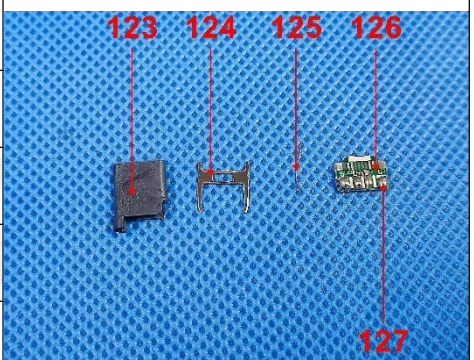
Sample No.	Description	Model/Style	Photograph
107	Black soft plastic	B300	 A black, oval-shaped soft plastic component with a small rectangular cutout on the left side. A red arrow labeled '107' points to the cutout.
108	White FPC	B300	 A white flexible printed circuit (FPC) component, partially covered by a black plastic housing. A red arrow labeled '108' points to the white FPC.
109	Black soft plastic	B300	 A black soft plastic cable with a USB-A connector on one end and a smaller connector on the other. A red arrow labeled '109' points to the cable.
110	Silvery metal	B300	 A silvery metal connector with a USB-A plug on one end and a smaller connector on the other. A red arrow labeled '110' points to the connector.
111	Translucent plastic	B300	 A translucent plastic component, possibly a connector or a small housing. A red arrow labeled '111' points to the component.
112	White plastic	B300	 A white plastic component, possibly a connector or a small housing. A red arrow labeled '112' points to the component.
113	Golden metal	B300	 A golden metal component, possibly a connector or a small housing. A red arrow labeled '113' points to the component.

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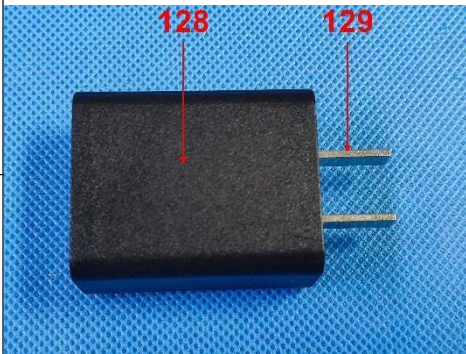
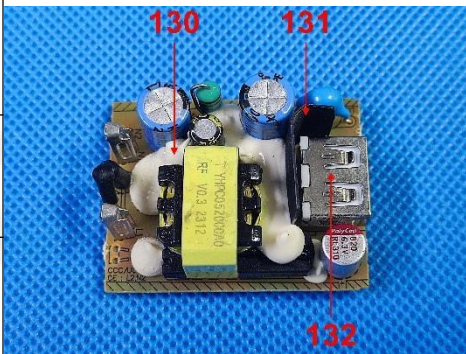
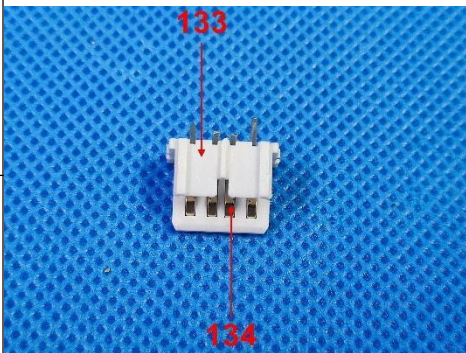
Sample No.	Description	Model/Style	Photograph
114	Silvery solder	B300	
115	Black soft plastic (cable jacket)	B300	
116	Black soft plastic (wire jacket)	B300	
117	Red soft plastic (wire jacket)	B300	
118	Green soft plastic (wire jacket)	B300	
119	White soft plastic (wire jacket)	B300	
120	Copper metal (wire core)	B300	
121	Black soft plastic	B300	
122	Silvery metal	B300	
123	Grey plastic	B300	
124	Silvery metal	B300	
125	Silvery metal	B300	
126	Green PCB	B300	
127	Silvery solder	B300	

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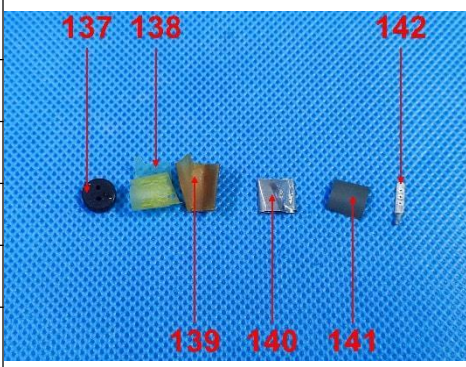
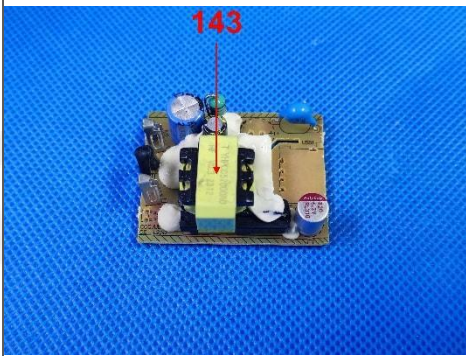
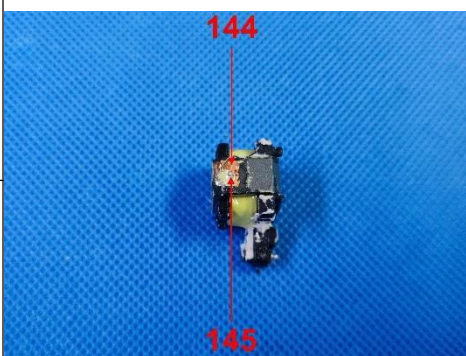
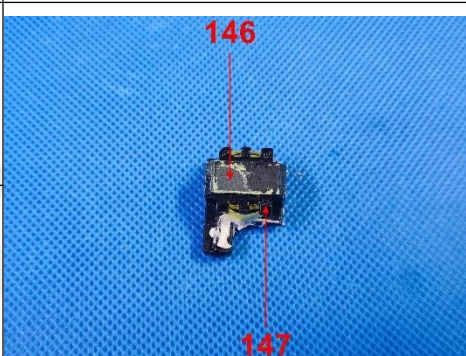
Sample No.	Description	Model/Style	Photograph
128	Black plastic	B300	
129	Silvery metal	B300	
130	Beige-white glue	B300	
131	Black plastic	B300	
132	Silvery metal	B300	
133	White plastic	B300	
134	Silvery metal with golden plating	B300	
135	Blue plastic with black printing (capacitor)	B300	
136	Silvery metal	B300	

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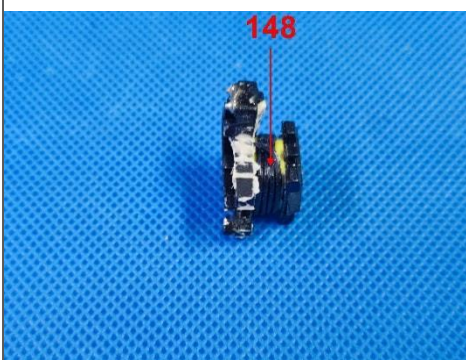
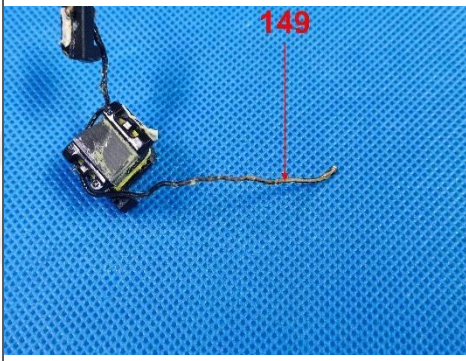
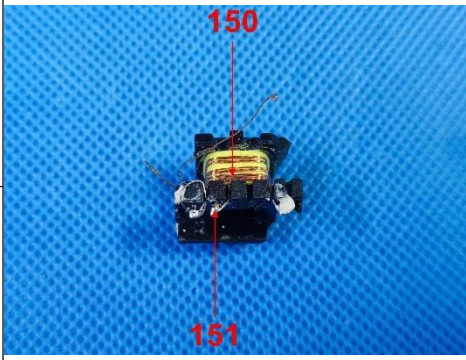
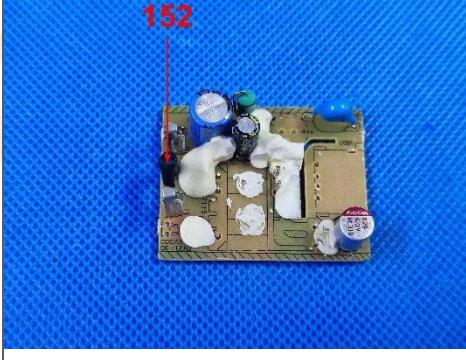
Sample No.	Description	Model/Style	Photograph
137	Black rubber	B300	 A photograph showing six small samples arranged on a blue textured background. Red arrows point from the sample numbers 137, 138, 139, 140, 141, and 142 to their respective items. 137 is a black circular object, 138 is a transparent plastic piece, 139 is a beige paper piece, 140 is a silvery metal foil, 141 is a grey metal foil, and 142 is a silvery metal connecting piece.
138	Transparent plastic	B300	
139	Beige paper	B300	
140	Silvery metal foil	B300	
141	Grey metal foil	B300	
142	Silvery metal (connecting piece)	B300	
143	Yellow plastic	B300	 A photograph of a yellow plastic component, labeled 143, which is a small rectangular piece with some internal structure, resting on a blue textured background.
144	Coppery metal	B300	 A photograph showing two small samples on a blue textured background. Red arrows point from the sample numbers 144 and 145 to their respective items. 144 is a coppery metal piece, and 145 is a silvery solder.
145	Silvery solder	B300	
146	Grey magnet	B300	 A photograph showing two small samples on a blue textured background. Red arrows point from the sample numbers 146 and 147 to their respective items. 146 is a grey magnet, and 147 is a black plastic piece.
147	Black plastic	B300	

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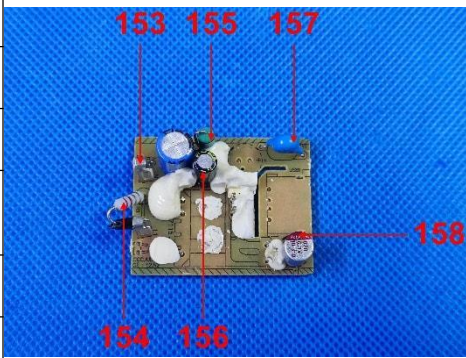
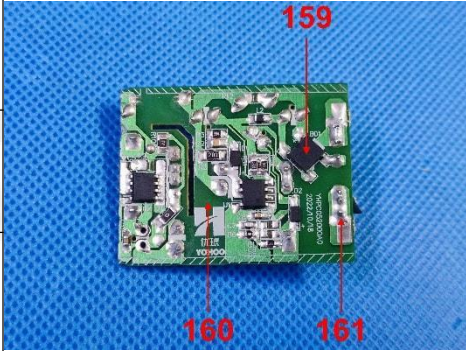
Sample No.	Description	Model/Style	Photograph
148	Black plastic	B300	
149	Yellow plastic	B300	
150	Coppery metal	B300	
151	Silvery solder	B300	
152	Black soft plastic (tube)	B300	

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Sample No.	Description	Model/Style	Photograph
153	Silvery metal	B300	
154	Grey body with colored printing	B300	
155	Green body with colored printing	B300	
156	Black plastic with yellow printing (capacitor)	B300	
157	Blue body	B300	
158	Silvery metal with red plating (capacitor)	B300	
159	Black body	B300	
160	Green PCB	B300	
161	Silvery solder	B300	
162	White paper	B300	

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3. Test Results

3.1 Screening test for the specified hazardous substances of RoHS for the selected materials of the submitted sample:

- Heavy Metal (Cadmium, Chromium, Mercury, Lead) Content Test
- Bromine Content Test

Test Method: Refer to EN 62321-3-1:2014, Analysis was conducted by XRF.

Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 001	BL	BL	BL	BL	BL
Sample 002	BL	BL	BL	BL	BL
Sample 003	BL	BL	BL	BL	BL
Sample 004	BL	BL	BL	BL	N.A.
Sample 005	BL	BL	BL	BL	BL
Sample 006	BL	BL	BL	BL	BL
Sample 007	BL	OL [^]	BL	BL	N.A.
Sample 008	BL	BL	BL	Inconclusive [^]	N.A.
Sample 009	BL	BL	BL	BL	BL
Sample 010	BL	BL	BL	BL	N.A.
Sample 011	BL	BL	BL	BL	N.A.
Sample 012	Inconclusive [^]	BL	BL	Inconclusive [^]	N.A.
Sample 013	BL	OL [^]	BL	BL	N.A.
Sample 014	BL	BL	BL	BL	BL
Sample 015	BL	BL	BL	BL	BL
Sample 016	BL	BL	BL	Inconclusive [^]	N.A.
Sample 017	BL	BL	BL	Inconclusive [^]	N.A.
Sample 018	BL	BL	BL	BL	BL
Sample 019	BL	BL	BL	BL	BL
Sample 020	BL	BL	BL	Inconclusive [^]	N.A.
Sample 021	BL	BL	BL	Inconclusive [^]	N.A.
Sample 022	BL	BL	BL	BL	BL
Sample 023	BL	BL	BL	BL	BL
Sample 024	BL	BL	BL	BL	BL
Sample 025	BL	BL	BL	BL	BL
Sample 026	BL	BL	BL	BL	BL
Sample 027	BL	BL	BL	BL	N.A.
Sample 028	BL	BL	BL	BL	BL
Sample 029	BL	BL	BL	BL	BL

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Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 030	BL	BL	BL	BL	N.A.
Sample 031	BL	BL	BL	BL	BL
Sample 032	BL	BL	BL	Inconclusive^	N.A.
Sample 033	BL	BL	BL	BL	BL
Sample 034	BL	BL	BL	BL	N.A.
Sample 035	BL	BL	BL	BL	Inconclusive^
Sample 036	BL	BL	BL	BL	N.A.
Sample 037	BL	BL	BL	BL	BL
Sample 038	BL	BL	BL	Inconclusive^	N.A.
Sample 039	BL	BL	BL	Inconclusive^	N.A.
Sample 040	BL	BL	BL	BL	N.A.
Sample 041	BL	BL	BL	Inconclusive^	BL
Sample 042	BL	BL	BL	BL	BL
Sample 043	BL	BL	BL	BL	N.A.
Sample 044	BL	BL	BL	BL	BL
Sample 045	BL	BL	BL	BL	BL
Sample 046	BL	BL	BL	BL	Inconclusive^
Sample 047	BL	BL	BL	BL	N.A.
Sample 048	BL	BL	BL	BL	BL
Sample 049	BL	BL	BL	BL	BL
Sample 050	BL	BL	BL	BL	N.A.
Sample 051	BL	BL	BL	BL	BL
Sample 052	BL	BL	BL	BL	BL
Sample 053	BL	BL	BL	BL	BL
Sample 054	BL	BL	BL	Inconclusive^	BL
Sample 055	BL	BL	BL	BL	Inconclusive^
Sample 056	BL	BL	BL	BL	N.A.
Sample 057	BL	BL	BL	BL	BL
Sample 058	BL	BL	BL	BL	N.A.
Sample 059	BL	BL	BL	BL	BL
Sample 060	BL	BL	BL	BL	N.A.
Sample 061	BL	BL	BL	BL	Inconclusive^
Sample 062	BL	BL	BL	BL	BL
Sample 063	BL	BL	BL	BL	BL
Sample 064	BL	BL	BL	BL	BL
Sample 065	BL	BL	BL	BL	BL
Sample 066	BL	BL	BL	BL	N.A.
Sample 067	Inconclusive^	OL^	BL	BL	N.A.

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Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 068	BL	BL	BL	BL	N.A.
Sample 069	BL	BL	BL	BL	N.A.
Sample 070	BL	BL	BL	BL	N.A.
Sample 071	BL	BL	BL	BL	BL
Sample 072	BL	BL	BL	BL	BL
Sample 073	BL	BL	BL	BL	N.A.
Sample 074	BL	BL	BL	Inconclusive^	BL
Sample 075	BL	BL	BL	Inconclusive^	N.A.
Sample 076	BL	BL	BL	BL	N.A.
Sample 077	BL	BL	BL	BL	BL
Sample 078	BL	BL	BL	BL	N.A.
Sample 079	BL	BL	BL	Inconclusive^	N.A.
Sample 080	BL	BL	BL	BL	BL
Sample 081	BL	BL	BL	BL	BL
Sample 082	BL	BL	BL	BL	N.A.
Sample 083	BL	BL	BL	BL	BL
Sample 084	BL	BL	BL	BL	Inconclusive^
Sample 085	BL	BL	BL	BL	N.A.
Sample 086	BL	BL	BL	Inconclusive^	N.A.
Sample 087	BL	BL	BL	BL	BL
Sample 088	BL	BL	BL	Inconclusive^	N.A.
Sample 089	BL	BL	BL	BL	BL
Sample 090	BL	BL	BL	BL	BL
Sample 091	BL	BL	BL	BL	BL
Sample 092	BL	BL	BL	BL	BL
Sample 093	BL	BL	BL	BL	BL
Sample 094	BL	BL	BL	BL	Inconclusive^
Sample 095	BL	BL	BL	BL	BL
Sample 096	BL	BL	BL	BL	BL
Sample 097	BL	BL	BL	BL	N.A.
Sample 098	BL	BL	BL	Inconclusive^	N.A.
Sample 099	BL	BL	BL	BL	BL
Sample 100	BL	BL	BL	BL	Inconclusive^
Sample 101	BL	BL	BL	BL	BL
Sample 102	BL	BL	BL	BL	N.A.
Sample 103	BL	BL	BL	BL	Inconclusive^
Sample 104	BL	BL	BL	Inconclusive^	N.A.
Sample 105	BL	BL	BL	BL	BL

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Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 106	BL	BL	BL	BL	BL
Sample 107	BL	BL	BL	BL	BL
Sample 108	BL	BL	BL	BL	BL
Sample 109	BL	BL	BL	BL	BL
Sample 110	BL	BL	BL	BL	N.A.
Sample 111	BL	BL	BL	BL	BL
Sample 112	BL	BL	BL	BL	BL
Sample 113	BL	BL	BL	BL	N.A.
Sample 114	BL	BL	BL	BL	N.A.
Sample 115	BL	BL	BL	BL	BL
Sample 116	BL	BL	BL	BL	BL
Sample 117	BL	BL	BL	BL	BL
Sample 118	BL	BL	BL	BL	BL
Sample 119	BL	BL	BL	BL	BL
Sample 120	BL	BL	BL	BL	N.A.
Sample 121	BL	BL	BL	BL	BL
Sample 122	BL	BL	BL	Inconclusive^	N.A.
Sample 123	BL	BL	BL	BL	BL
Sample 124	BL	BL	BL	Inconclusive^	N.A.
Sample 125	BL	BL	BL	BL	N.A.
Sample 126	BL	BL	BL	BL	Inconclusive^
Sample 127	OL^	BL	BL	BL	N.A.
Sample 128	BL	BL	BL	BL	BL
Sample 129	BL	BL	BL	BL	N.A.
Sample 130	BL	BL	BL	BL	BL
Sample 131	BL	BL	BL	BL	BL
Sample 132	BL	BL	BL	BL	N.A.
Sample 133	BL	BL	BL	BL	BL
Sample 134	Inconclusive^	BL	BL	BL	N.A.
Sample 135	BL	BL	BL	BL	BL
Sample 136	BL	BL	BL	BL	N.A.
Sample 137	BL	BL	BL	BL	BL
Sample 138	BL	BL	BL	BL	BL
Sample 139	BL	BL	BL	BL	BL
Sample 140	BL	BL	BL	BL	N.A.
Sample 141	BL	BL	BL	BL	N.A.
Sample 142	BL	BL	BL	BL	N.A.
Sample 143	BL	BL	BL	BL	BL

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Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 144	BL	BL	BL	BL	N.A.
Sample 145	BL	BL	BL	BL	N.A.
Sample 146	BL	BL	BL	BL	BL
Sample 147	BL	BL	BL	BL	BL
Sample 148	BL	BL	BL	BL	BL
Sample 149	BL	BL	BL	BL	BL
Sample 150	BL	BL	BL	BL	N.A.
Sample 151	BL	BL	BL	BL	N.A.
Sample 152	BL	BL	BL	BL	BL
Sample 153	BL	BL	BL	Inconclusive^	N.A.
Sample 154	BL	BL	BL	Inconclusive^	BL
Sample 155	BL	BL	BL	BL	BL
Sample 156	BL	BL	BL	BL	BL
Sample 157	BL	BL	BL	BL	BL
Sample 158	BL	BL	BL	BL	N.A.
Sample 159	BL	Inconclusive^	BL	BL	BL
Sample 160	BL	BL	BL	BL	BL
Sample 161	BL	BL	BL	BL	N.A.
Sample 162	BL	BL	BL	BL	BL

Note:

1. All Concentrations express in "mg/kg" (milligram per kilogram), mg/kg = ppm.
2. "OL" denotes "over limit"
3. "BL" denotes "below limit"
4. "N.A." denotes "Not Applicable"
5. "Inconclusive" denotes result is intermediate between "OL" and "BL"
6. "A" denotes the screening result was inconclusive(X) or over limit (OL), thus further confirmation test was conducted, results are listed in 3.2 and 3.3.

Screening range of different materials by XRF:

Materials	Concentration (mg/kg)				
	Cd	Cr	Pb	Hg	Br
Metal	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	N.A.
Polymers	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (300-3\sigma) < X$
Composite material	$BL \leq (50-3\sigma) < X < (150+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$	$BL \leq (250-3\sigma) < X$

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3. 2 Test for Heavy Metals

– Lead, Cadmium, Mercury and Hexavalent Chromium Test

Test Method: Refer to EN 62321-4:2014+A1:2017 & EN 62321-5:2014 & EN 62321-7-1:2015 &

EN 62321-7-2:2017, Analysis was conducted by ICP-OES, UV-Vis.

Element	Total Cadmium [mg/kg]	Total Lead [mg/kg]	Total Mercury [mg/kg]	Hexavalent Chromium [µg/cm ²]	Hexavalent Chromium [mg/kg]
Detection Limit	5	5	5	0.10	5
Limit	100	1000	1000	*	1000
Sample 007	/	34440Φ	/	/	/
Sample 008	/	/	/	N.D.	/
Sample 012	N.D.	/	/	N.D.	/
Sample 013	/	34928Φ	/	/	/
Sample 016	/	/	/	N.D.	/
Sample 017	/	/	/	N.D.	/
Sample 020	/	/	/	N.D.	/
Sample 021	/	/	/	N.D.	/
Sample 032	/	/	/	N.D.	/
Sample 038	/	/	/	N.D.	/
Sample 039	/	/	/	N.D.	/
Sample 041	/	/	/	/	N.D.
Sample 054	/	/	/	/	N.D.
Sample 067	28	30822Φ	/	/	/
Sample 074	/	/	/	/	N.D.
Sample 075	/	/	/	N.D.	/
Sample 079	/	/	/	N.D.	/
Sample 086	/	/	/	N.D.	/
Sample 088	/	/	/	N.D.	/
Sample 098	/	/	/	N.D.	/
Sample 104	/	/	/	N.D.	/
Sample 122	/	/	/	N.D.	/
Sample 124	/	/	/	N.D.	/
Sample 127	N.D.	/	/	/	/
Sample 134	N.D.	/	/	/	/
Sample 153	/	/	/	N.D.	/
Sample 154	/	/	/	/	N.D.
Sample 159	/	28924Φ	/	/	/

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Note:

1. All Concentrations express in "mg/kg"(milligram per kilogram), mg/kg = ppm.
2. "/" = indicates that XRF screening is qualified and does not wet chemical analysis.
3. "N.D." = "Not Detected".
4. * = a. When the concentration of hexavalent chromium in boiling-water-extraction solution with 1cm² sample surface area is higher than 0.13 µg/cm², the sample is positive, that is, contains hexavalent chromium;
b. When the concentration of hexavalent chromium in boiling-water-extraction solution with 1cm² sample surface area is N.D.(less than 0.10µg/cm²), the sample is negative, that is, no hexavalent chromium is detected;
c. When the concentration of hexavalent chromium in boiling-water-extraction solution with 1cm² sample surface area is between 0.10µg/cm² and 0.13µg/cm², it is not possible to directly determine whether hexavalent chromium is detected.

Surface differences of samples from different individuals may affect the determination results:

Since the storage condition and production date of the sample are not known, the test result of the sample can only represent the state of the sample containing hexavalent chromium at the time of the test.

Positive = result be regarded as not comply with RoHS requirement

Negative = result be regarded as comply with RoHS requirement

5. "Φ"=The sample 159 is electrical and electronic components, according to RoHS 2.0 Annex III exemption list 7(c)-I, Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound
6. "Φ"=the sample 007, sample 013, sample 067 are copper alloy. The lead content which is under 4% is exempted from the requirement of directive 2011/65/EU(RoHS)Annex III 6(c).

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3. 3 Test for Flame retardants

Test Method: Refer to EN 62321-6:2015, extracted by toluene and analyzed by GC-MS.

Test Item		Detection Limit	Result [mg/kg]			RoHS Requirement [mg/kg]
			Sample 035	Sample 046	Sample 055	
PBBs	Monobromobiphenyl	5	N.D.	N.D.	N.D.	Sum of PBBs < 1000
	Dibromobiphenyl	5	N.D.	N.D.	N.D.	
	Tribromobiphenyl	5	N.D.	N.D.	N.D.	
	Tetrabromobiphenyl	5	N.D.	N.D.	N.D.	
	Pentabromobiphenyl	5	N.D.	N.D.	N.D.	
	Hexabromobiphenyl	5	N.D.	N.D.	N.D.	
	Heptabromobiphenyl	5	N.D.	N.D.	N.D.	
	Octabromobiphenyl	5	N.D.	N.D.	N.D.	
	Nonabromobiphenyl	5	N.D.	N.D.	N.D.	
	Decabromobiphenyl	5	N.D.	N.D.	N.D.	
	Sum of PBBs	-	N.D.	N.D.	N.D.	
PBDEs	Monobromodiphenyl Ether	5	N.D.	N.D.	N.D.	Sum of PBDEs < 1000
	Dibromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Tribromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Tetrabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Pentabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Hexabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Heptabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Octabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Nonabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Decabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Sum of PBDEs	-	N.D.	N.D.	N.D.	

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Test Item		Detection Limit	Result [mg/kg]			RoHS Requirement [mg/kg]
			Sample 061	Sample 084	Sample 094	
PBBs	Monobromobiphenyl	5	N.D.	N.D.	N.D.	Sum of PBBs < 1000
	Dibromobiphenyl	5	N.D.	N.D.	N.D.	
	Tribromobiphenyl	5	N.D.	N.D.	N.D.	
	Tetrabromobiphenyl	5	N.D.	N.D.	N.D.	
	Pentabromobiphenyl	5	N.D.	N.D.	N.D.	
	Hexabromobiphenyl	5	N.D.	N.D.	N.D.	
	Heptabromobiphenyl	5	N.D.	N.D.	N.D.	
	Octabromobiphenyl	5	N.D.	N.D.	N.D.	
	Nonabromobiphenyl	5	N.D.	N.D.	N.D.	
	Decabromobiphenyl	5	N.D.	N.D.	N.D.	
	Sum of PBBs	-	N.D.	N.D.	N.D.	
PBDEs	Monobromodiphenyl Ether	5	N.D.	N.D.	N.D.	Sum of PBDEs < 1000
	Dibromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Tribromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Tetrabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Pentabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Hexabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Heptabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Octabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Nonabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Decabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Sum of PBDEs	-	N.D.	N.D.	N.D.	

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Test Item		Detection Limit	Result [mg/kg]			RoHS Requirement [mg/kg]
			Sample 100	Sample 103	Sample 126	
PBBs	Monobromobiphenyl	5	N.D.	N.D.	N.D.	Sum of PBBs < 1000
	Dibromobiphenyl	5	N.D.	N.D.	N.D.	
	Tribromobiphenyl	5	N.D.	N.D.	N.D.	
	Tetrabromobiphenyl	5	N.D.	N.D.	N.D.	
	Pentabromobiphenyl	5	N.D.	N.D.	N.D.	
	Hexabromobiphenyl	5	N.D.	N.D.	N.D.	
	Heptabromobiphenyl	5	N.D.	N.D.	N.D.	
	Octabromobiphenyl	5	N.D.	N.D.	N.D.	
	Nonabromobiphenyl	5	N.D.	N.D.	N.D.	
	Decabromobiphenyl	5	N.D.	N.D.	N.D.	
	Sum of PBBs	-	N.D.	N.D.	N.D.	
PBDEs	Monobromodiphenyl Ether	5	N.D.	N.D.	N.D.	Sum of PBDEs < 1000
	Dibromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Tribromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Tetrabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Pentabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Hexabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Heptabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Octabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Nonabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Decabromodiphenyl Ether	5	N.D.	N.D.	N.D.	
	Sum of PBDEs	-	N.D.	N.D.	N.D.	

Note:

1. All Concentrations express in "mg/kg" (milligram per kilogram), mg/kg = ppm.
2. "N.D." = "Not Detected".
3. "-" = "Not Regulated".

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3.4 Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP) Content

Test Method: Refer to EN 62321-8:2017; Analysis was conducted by GC-MS.

Element	Di-(2-ethylhexyl) phthalate (DEHP) [mg/kg]	Benzylbutyl phthalate (BBP) [mg/kg]	Dibutyl phthalate (DBP) [mg/kg]	Diisobutyl phthalate(DIBP) [mg/kg]
Detection Limit	50	50	50	50
Limit	1000	1000	1000	1000
Sample 001	N.D.	N.D.	N.D.	N.D.
Sample 002	N.D.	N.D.	N.D.	N.D.
Sample 003	N.D.	N.D.	N.D.	N.D.
Sample 005	N.D.	N.D.	N.D.	N.D.
Sample 006	N.D.	N.D.	N.D.	N.D.
Sample 009	N.D.	N.D.	N.D.	N.D.
Sample 014				
Sample 015				
Sample 018	N.D.	N.D.	N.D.	N.D.
Sample 019	N.D.	N.D.	N.D.	N.D.
Sample 022				
Sample 023				
Sample 024	N.D.	N.D.	N.D.	N.D.
Sample 025	N.D.	N.D.	N.D.	N.D.
Sample 026				
Sample 028	N.D.	N.D.	N.D.	N.D.
Sample 029				
Sample 031	N.D.	N.D.	N.D.	N.D.
Sample 033	N.D.	N.D.	N.D.	N.D.
Sample 035				
Sample 037				
Sample 041	N.D.	N.D.	N.D.	N.D.
Sample 042				
Sample 044				
Sample 045	N.D.	N.D.	N.D.	N.D.
Sample 046				
Sample 048				
Sample 049	N.D.	N.D.	N.D.	N.D.
Sample 051				
Sample 052				

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Element	Di-(2-ethylhexyl) phthalate (DEHP) [mg/kg]	Benzylbutyl phthalate (BBP) [mg/kg]	Dibutyl phthalate (DBP) [mg/kg]	Diisobutyl phthalate(DIBP) [mg/kg]
Detection Limit	50	50	50	50
Limit	1000	1000	1000	1000
Sample 053	N.D.	N.D.	N.D.	N.D.
Sample 054				
Sample 055				
Sample 057	N.D.	N.D.	N.D.	N.D.
Sample 059				
Sample 061				
Sample 062	N.D.	N.D.	N.D.	N.D.
Sample 063	N.D.	N.D.	N.D.	N.D.
Sample 064	N.D.	N.D.	N.D.	N.D.
Sample 065	N.D.	N.D.	N.D.	N.D.
Sample 071	N.D.	N.D.	N.D.	N.D.
Sample 072				
Sample 074				
Sample 077	N.D.	N.D.	N.D.	N.D.
Sample 080				
Sample 081				
Sample 083	N.D.	N.D.	N.D.	N.D.
Sample 084				
Sample 087				
Sample 089	N.D.	N.D.	N.D.	N.D.
Sample 090				
Sample 091				
Sample 092	N.D.	N.D.	N.D.	N.D.
Sample 093				
Sample 094				
Sample 095	N.D.	N.D.	N.D.	N.D.
Sample 096				
Sample 099				
Sample 100	N.D.	N.D.	N.D.	N.D.
Sample 101				
Sample 103				
Sample 105	N.D.	N.D.	N.D.	N.D.
Sample 106	N.D.	N.D.	N.D.	N.D.
Sample 107	N.D.	N.D.	N.D.	N.D.
Sample 108	N.D.	N.D.	N.D.	N.D.
Sample 109	N.D.	N.D.	N.D.	N.D.

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Element	Di-(2-ethylhexyl) phthalate (DEHP) [mg/kg]	Benzylbutyl phthalate (BBP) [mg/kg]	Dibutyl phthalate (DBP) [mg/kg]	Diisobutyl phthalate(DIBP) [mg/kg]
Detection Limit	50	50	50	50
Limit	1000	1000	1000	1000
Sample 111	N.D.	N.D.	N.D.	N.D.
Sample 112				
Sample 115	N.D.	N.D.	N.D.	N.D.
Sample 116	N.D.	N.D.	N.D.	N.D.
Sample 117	N.D.	N.D.	N.D.	N.D.
Sample 118	N.D.	N.D.	N.D.	N.D.
Sample 119	N.D.	N.D.	N.D.	N.D.
Sample 121	135	N.D.	N.D.	N.D.
Sample 123	N.D.	N.D.	N.D.	N.D.
Sample 126				
Sample 128				
Sample 130	N.D.	N.D.	N.D.	N.D.
Sample 131				
Sample 133				
Sample 135	N.D.	N.D.	N.D.	N.D.
Sample 137				
Sample 138				
Sample 139	N.D.	N.D.	N.D.	N.D.
Sample 143				
Sample 146				
Sample 147	N.D.	N.D.	N.D.	N.D.
Sample 148				
Sample 149				
Sample 152	N.D.	N.D.	N.D.	N.D.
Sample 154	N.D.	N.D.	N.D.	N.D.
Sample 155				
Sample 156				
Sample 157	N.D.	N.D.	N.D.	N.D.
Sample 159				
Sample 160				
Sample 162	N.D.	N.D.	N.D.	N.D.

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Note:

1. All Concentrations express in "mg/kg"(milligram per kilogram), mg/kg = ppm.
2. "N.D." = "Not Detected".
3. The result(s) shown on this report may be different from the content of any homogeneous material when the test was conducted by mixing several samples together.

Remark:

1. As specified by applicant, to test content in the selected materials of the submitted samples. The test results are only responsible for the submitted sample.
2. The test report cannot be partially quoted or copied, without prior written permission of the company.
3. The test report is invalid if rewritten, added and deleted, without approved signature, or shall be invalid if it is not stamped with the special seal for testing.
4. The customer information, sample information, usage conditions and label information mentioned in the testing report are provided by the customer, and the customer is responsible for their authenticity. CTL has not verified their authenticity.
5. The test report is not stamped with the qualification certification mark seal, only for customer research, teaching, internal quality control, product development and other activities.

TEST REPORT

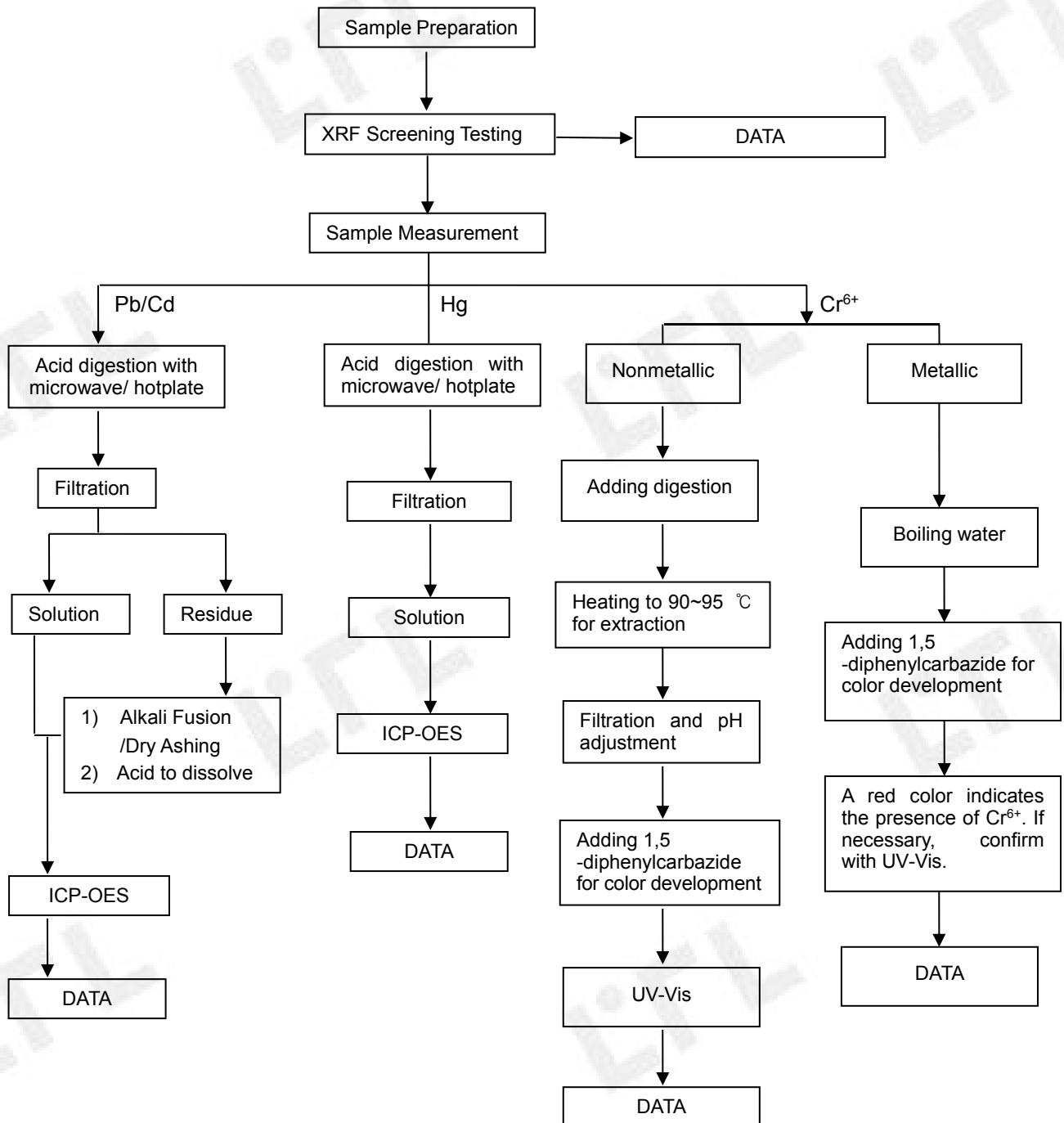
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Pb/Cd/Hg/Cr⁶⁺ Testing Flow Chart

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart (Cr⁶⁺ test method excluded).



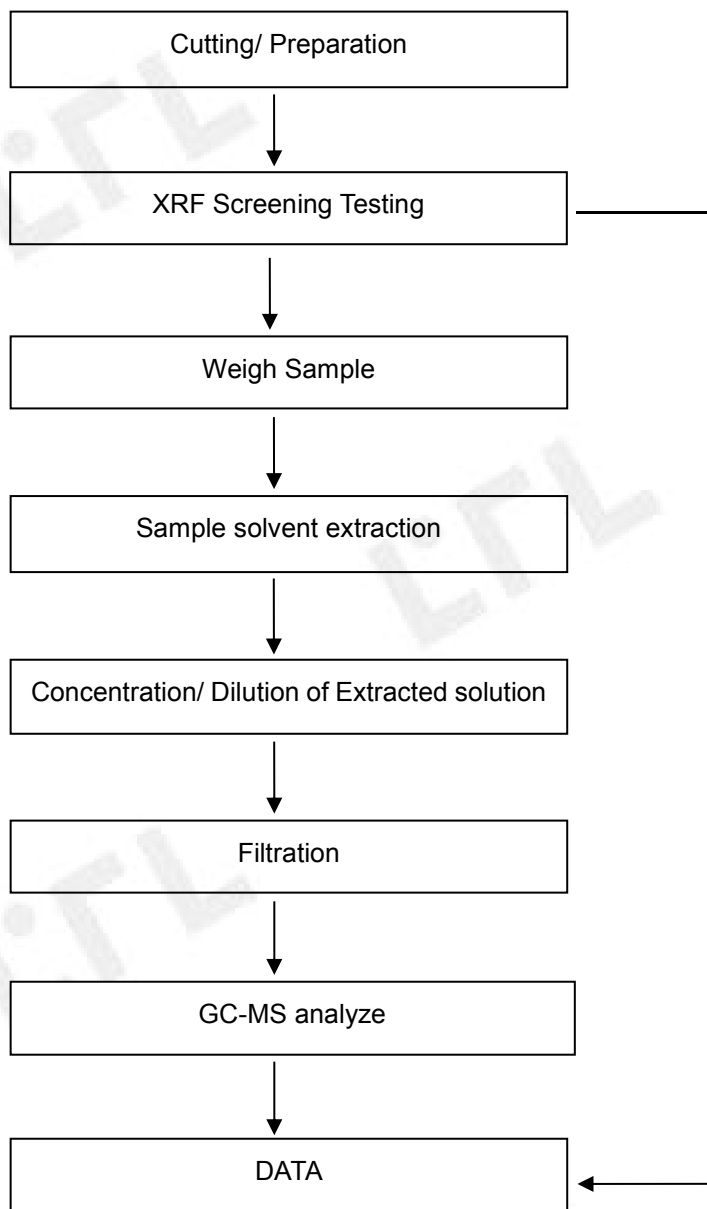
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PBBs/PBDEs Testing Flow Chart



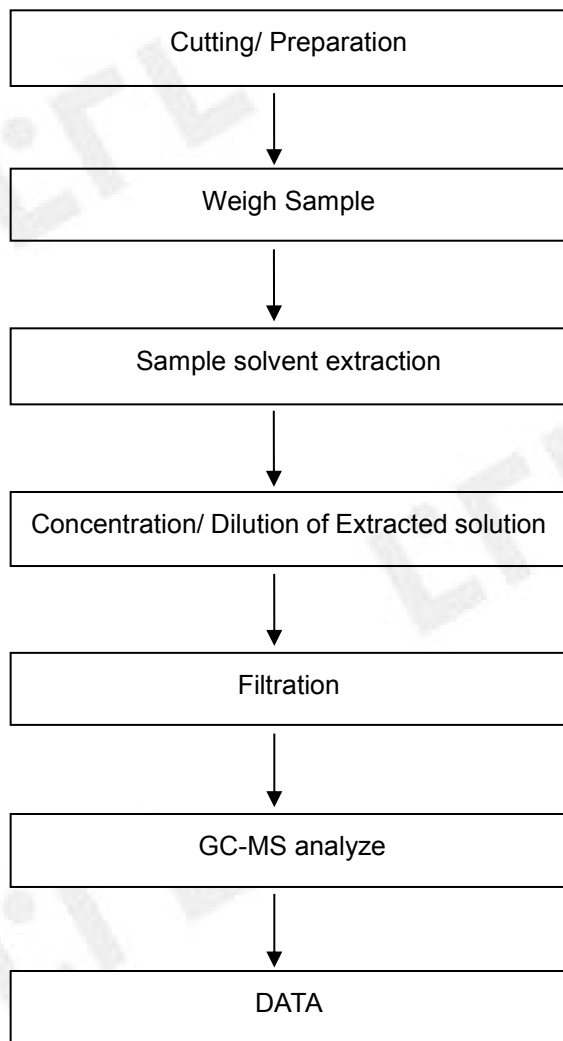
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Phthalates Testing Flow Chart



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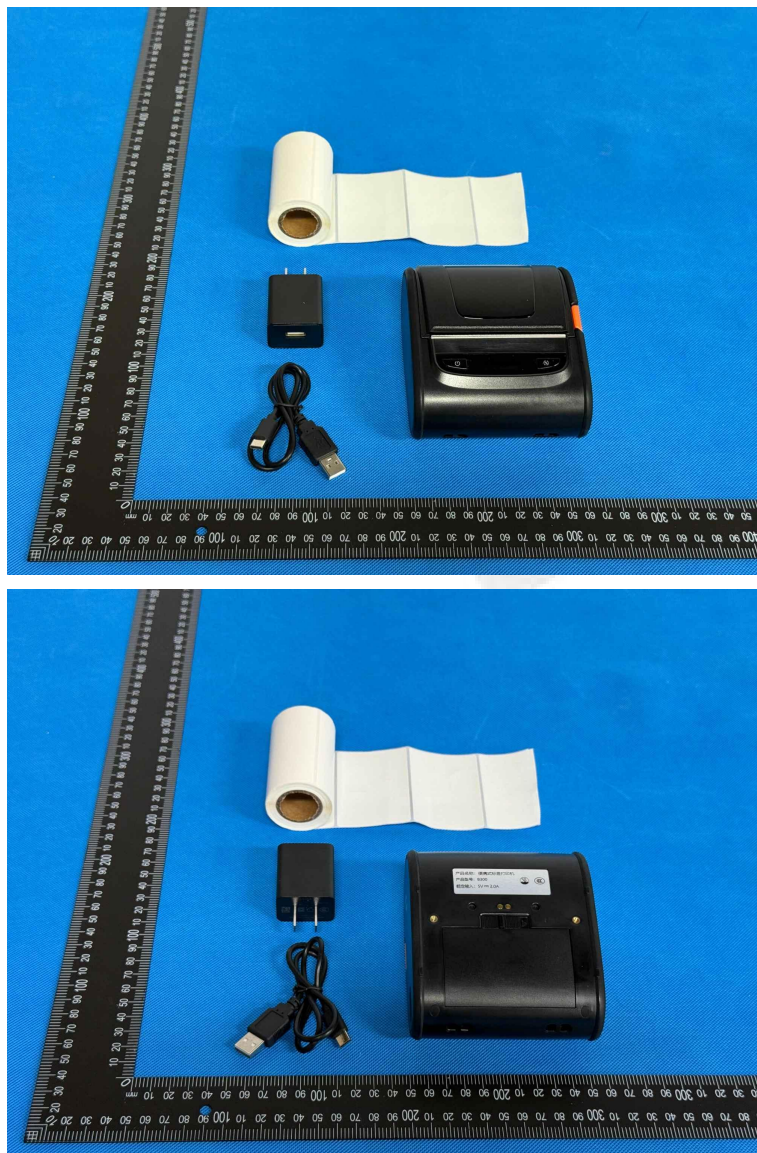
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Photo of the Sample:

Test sample



*** End of Report ***