TEST REPORT

APPLICANT	:	Ningbo Zhishuai Electrical Appliance Technology Co., Ltd.
ADDRESS	:	No. 158, Shatan Road, Xijie Village, Xinpu Town, Cixi City, Zhejiang Province
SAMPLE DESCRIPTION	:	ice maker
ITEM NO.	:	ZSW-ZB13
REFERENCE ITEM NO.	:	ZSW-ZB13,ZSW-ZB14,ZSW-ZB15,ZSW-ZB16,ZSW-ZB17
MANUFACTURER	:	Ningbo Zhishuai Electrical Appliance Technology Co., Ltd
SAMPLE RECEIVED DATE	:	07 - Apr - 2025
FURTHER INFORMATION DATE	:	29 - Jul - 2025
TURN AROUND TIME	:	07 - Apr - 2025 to 29 - Jul - 2025
REVISED DATE	:	05 - Dec - 2025
TEST SPECIFICATION	:	Total concentration of Lead, Cadmium, Mercury, Chromium VI, Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs) , Bis(2-ethylhexyl) phthalate (DEHP) , Butyl benzyl phthalate (BBP) , Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) in Electrical and Electronic Equipment in accordance with EC Directive 2011/65/EU and its amendment Directive (EU) 2015/863 (RoHS)
CONCLUSION	:	Based on the analysis, the selected components of the submitted product do comply with the concentration limits as specified in Annex II to Directive 2011/65/EU and its amendment Directive (EU) 2015/863

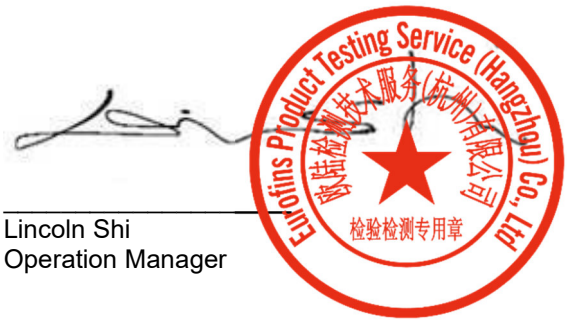
The reference items have not been tested in current report, but according to applicant´s request, the item numbers have also been included.
The following test item(s) was/were performed on selected sample(s) and/or component(s) appointed by applicant.

Remark:
This report cancels and supersedes report number EFHZ25041120-CG-01 issued on Jul 29, 2025.
Modification description: Per client's request, add manufacturer and reference photos in the revised report.

Eurofins（Hangzhou）contact information
Customer service: Zoey.Huang@cpt.eurofinscn.com/ +86 571 87203730
Sales specialist: Coco.Wang@cpt.eurofinscn.com/ +86 15990276205

********** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) **********

Signed for and on behalf of
Eurofins Product Testing Service (Hangzhou) Co., Ltd



Lincoln Shi
Operation Manager

SAMPLE PHOTO(S)

EFHZ25041120-CG-01+Rev1

TO BE CONTINUED

REFERENCE SAMPLE PHOTO(S)

The reference samples have not been tested in current report, but according to customer's request, the pictures have also been included. For sample tested in current report, please refer to "Sample photo".

TO BE CONTINUED

REFERENCE SAMPLE PHOTO(S)

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TO BE CONTINUED

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COMPONENT PHOTO(S)

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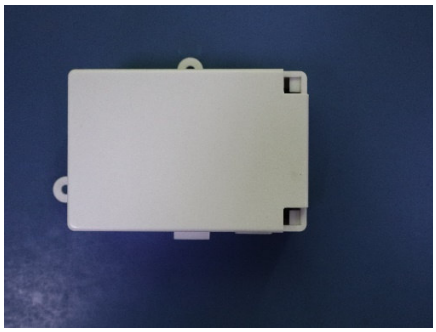

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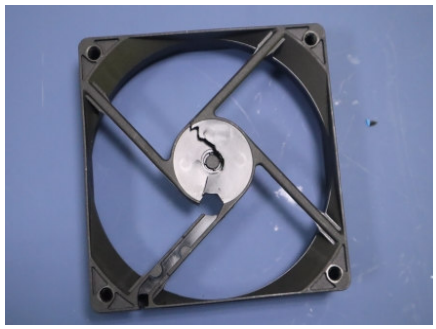

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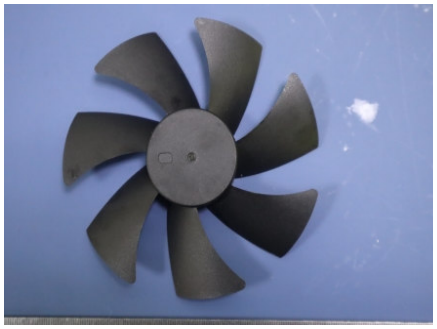

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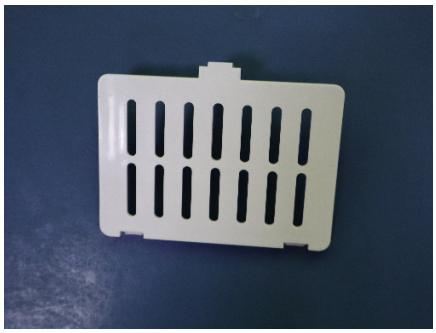

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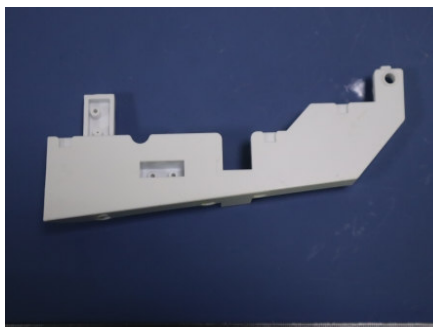

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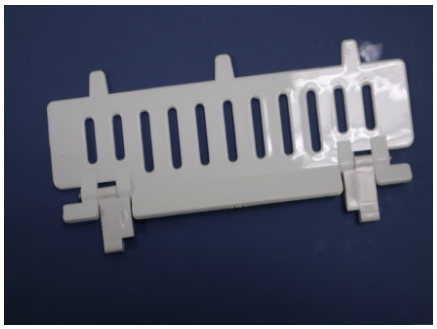
COMPONENT PHOTO(S)



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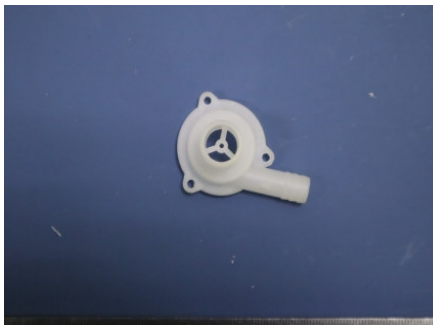

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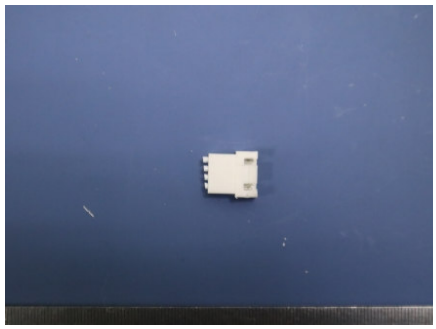

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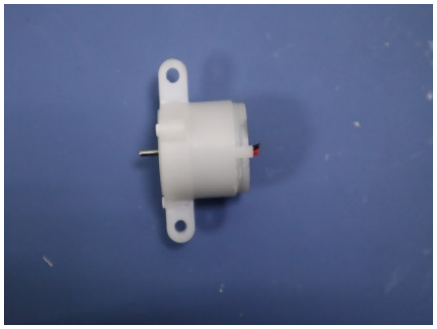

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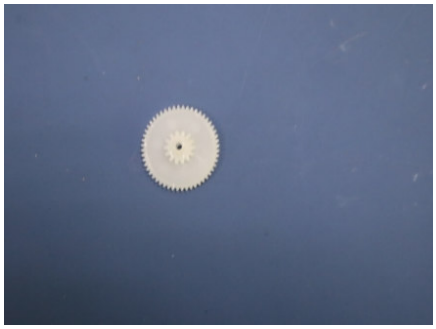

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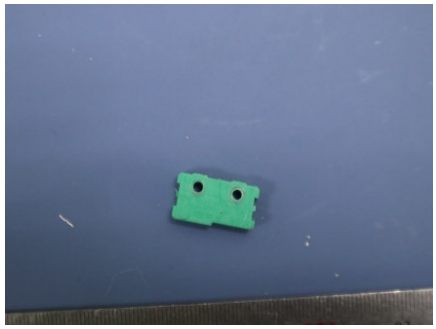

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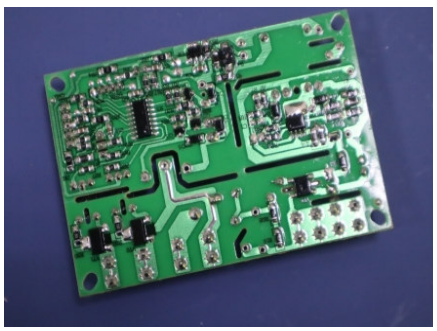

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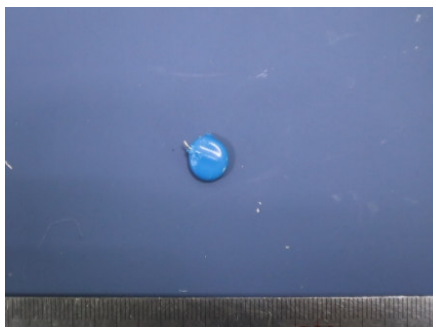

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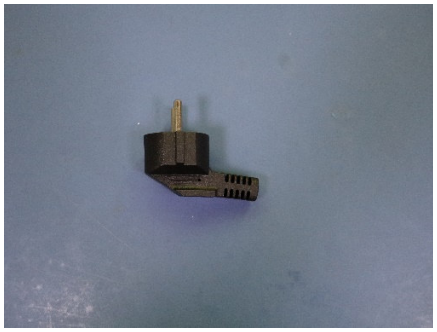
COMPONENT PHOTO(S)



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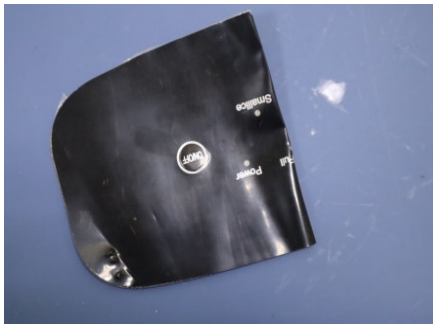

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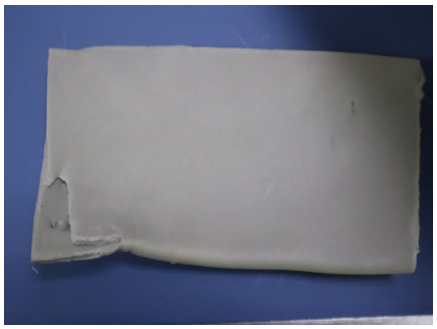

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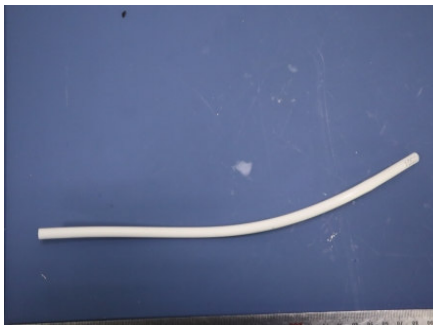

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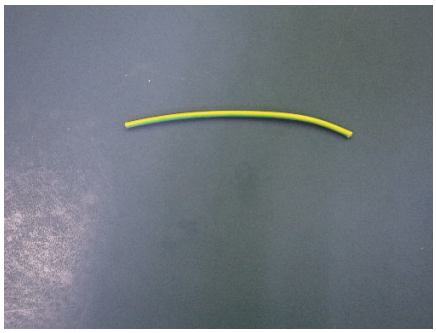

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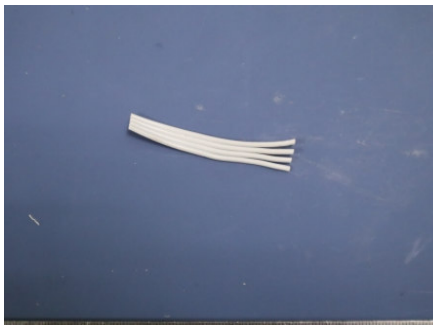
COMPONENT PHOTO(S)



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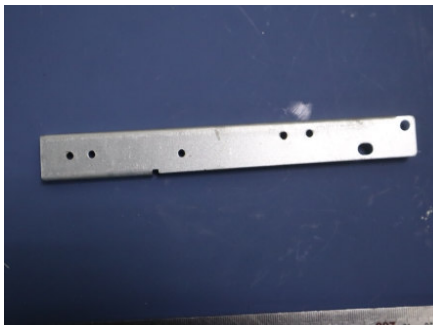

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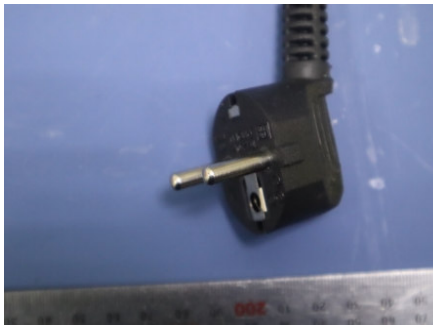

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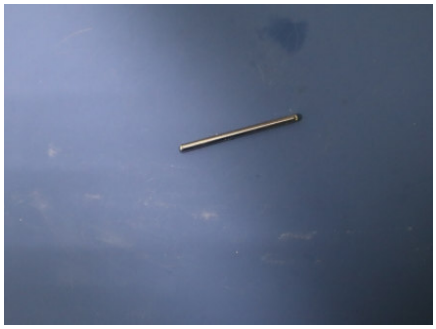

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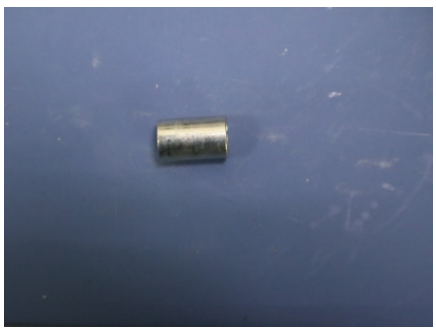

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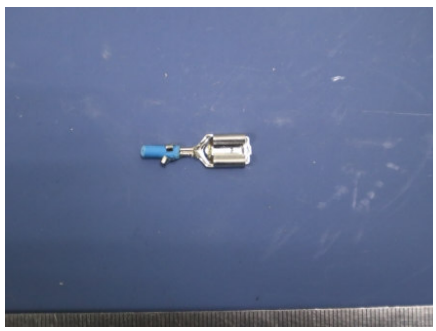

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COMPONENT PHOTO(S)

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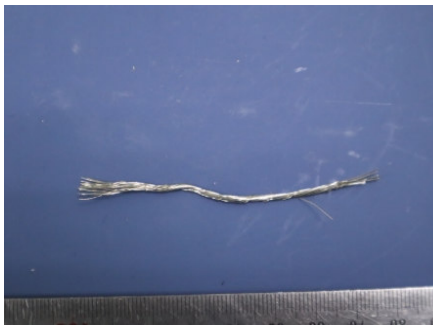

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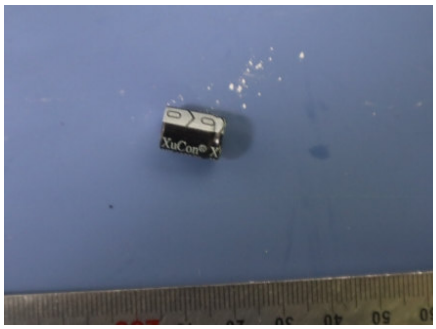

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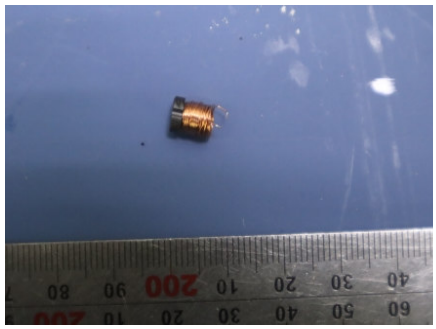

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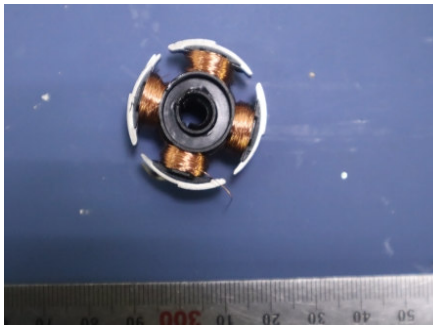

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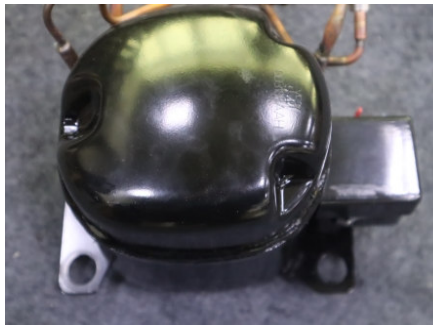

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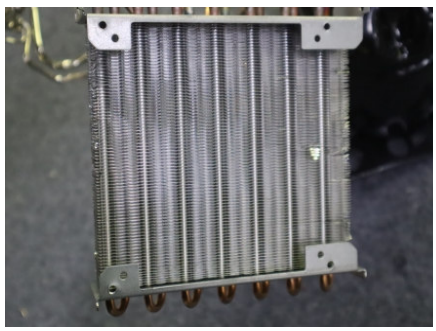

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TO BE CONTINUED

TEST RESULT

Part 1

A. Screening Test by XRF Spectroscopy

As specified by client, to analyze the contents of Lead, Cadmium, Mercury, Chromium, Bromine in the submitted sample by XRF. Screening limits in mg/kg for regulated elements in various matrices according to IEC 62321-3-1:2013

No.	Component	Test Results (mg/kg)				
		Cd	Pb	Hg	Cr	Br
		Limit (mg/kg)				
		100	1000	1000	Cr(VI): 1000	PBB:1000 PBDE:1000
1	Dark gray plastic blocks	BL	BL	BL	BL	BL
2	Black plastic block 1	BL	BL	BL	BL	BL
3	Dark gray plastic block 2	BL	BL	BL	BL	BL
4	Black plastic block 2	BL	BL	BL	BL	NC
5	White plastic blocks	BL	BL	BL	BL	BL
6	Black plastic block 4	BL	BL	BL	BL	NC
7	Black plastic fan blades	BL	BL	BL	BL	BL
8	White plastic blocks	BL	BL	BL	BL	BL
9	Black clear plastic cover	BL	BL	BL	BL	BL
10	White plastic bucket	BL	BL	BL	BL	BL
11	White plastic block 1	BL	BL	BL	BL	BL
12	White plastic block 2	BL	BL	BL	BL	BL
13	White plastic block 3	BL	BL	BL	BL	BL
14	White plastic block 4	BL	BL	BL	BL	BL
15	White plastic block 5	BL	BL	BL	BL	BL
16	White plastic spoon	BL	BL	BL	BL	BL
17	White plastic block 6	BL	BL	BL	BL	BL
18	White plastic fittings	BL	BL	BL	BL	BL
19	White plastic block 7	BL	BL	BL	BL	BL
20	White plastic gears	BL	BL	BL	BL	BL
21	Green plastic blocks	BL	BL	BL	BL	NC
22	Green circuit board	BL	BL	BL	BL	NC
23	Red transparent plastic lamp beads	BL	BL	BL	BL	NC
24	Blue components	BL	BL	BL	BL	BL
25	Black soft plastic plug	BL	NC	BL	BL	BL
26	Black soft plastic patch with white coating	BL	BL	BL	BL	BL
27	Black soft plastic block 1	BL	BL	BL	BL	BL
28	Gray foam	BL	BL	BL	BL	BL
29	White wire sheath	BL	BL	BL	BL	BL
30	Black wire leather sheath	BL	BL	BL	BL	BL
31	Red wire sheath	BL	BL	BL	BL	BL
32	Blue wire sheath	BL	BL	BL	BL	BL
33	Red wire sheath 2	BL	BL	BL	BL	BL
34	Blue wire sheath 2	BL	BL	BL	BL	BL
35	Yellow-green wire sheath	BL	BL	BL	BL	BL
36	Brown wire sheath	BL	BL	BL	BL	BL
37	White wire sheath 2	BL	BL	BL	BL	BL
38	Blue wire sheath 3	BL	BL	BL	BL	NC
39	White wire sheath 3	BL	BL	BL	BL	BL

TO BE CONTINUED

TEST RESULT

40	Dark red wire sheath	BL	BL	BL	BL	BL
41	Silver metal block 1	BL	BL	BL	NC	NA
42	Silver metal block 2	BL	BL	BL	NC	NA
43	Silver metal plug	BL	NC	BL	NC	NA
44	Silver metal shaft	BL	BL	BL	NC	NA
45	Silver metal bolts	BL	BL	BL	NC	NA
46	Silver metal washer	BL	BL	BL	NC	NA
47	Silver metal stub	BL	BL	BL	NC	NA
48	Silver metal connectors	BL	BL	BL	NC	NA
49	Copper-colored wire	BL	BL	BL	NC	NA
50	Silver wire	BL	BL	BL	NC	NA
51	Black soft magnetic ring	BL	BL	BL	NC	NA
52	Silver solder	BL	NC	BL	NC	NA
53	Black components	BL	BL	BL	NC	NA
54	Copper-colored metal coil 1	BL	BL	BL	NC	NA
55	Copper-colored metal coil 2	BL	BL	BL	NC	NA
56	Silver metal block 1	BL	BL	BL	NC	NA
57	Blocks of ferrous metal	BL	BL	BL	NC	NA
58	Copper-colored metal tubes	BL	BL	BL	NC	NA
59	Bright silver metal block	BL	BL	BL	NC	NA
60	Silver metal heatsink	BL	BL	BL	NC	NA

Note：The selected components of the submitted product are complied by client.

TO BE CONTINUED

TEST RESULT

Abbreviation:		
	Pb	denotes Lead
	Cd	denotes Cadmium
	Hg	denotes Mercury
	Cr	denotes Chromium
	Cr(VI)	denotes Chromium(VI)
	Br	denotes Bromine
	PBBs	denotes Total Polybrominated Biphenyls
	PBDEs	denotes Total Polybrominated Diphenyl Ethers
	NA	denotes Not Applicable
	NC	denotes Not Conclusive
	BL	denotes Below limit

XRF Screening limits for different materials:

Element	Polymers	Metals	Composite Material
Cd	BL ≤(70-3σ) ＜X ＜ (130+3σ) ≤ OL	BL ≤ (70-3σ) ＜ X ＜ (130+3σ) ≤OL	LOD＜X＜ (150+3σ) ≤OL
Pb	BL ≤ (700-3σ) ＜X ＜ (1300+3σ) ≤OL	BL ≤ (700-3σ) ＜ X ＜ (1300+3σ) ≤ OL	BL ≤ (500-3σ) ＜ X ＜ (1500+3σ) ≤ OL
Hg	BL ≤ (700-3σ) ＜ X ＜ (1300+3σ) ≤ OL	BL ≤ (700-3σ) ＜ X ＜ (1300+3σ) ≤ OL	BL ≤ (500-3σ) ＜X ＜ (1500+3σ) ≤OL
Br	BL ≤(300-3σ) ＜ X	/	BL ≤ (250-3σ) ＜ X
Cr	BL ≤ (700-3σ) ＜X	BL ≤ (700-3σ) ＜X	BL≤(500-3σ) ＜X

Note:
BL= Below limit
X = The region where further investigation is necessary
OL = Over limit
3σ = The repeatability of the analyzer at the action level
LOD = Limit of detection
XRF testing results are only used for reference.

TO BE CONTINUED

TEST RESULT

B. Confirmation Test by Wet Chemistry

Tested Item(s)	Test Method	Measured Equipment	MDL
Lead (Pb) /Cadmium (Cd)	IEC 62321-5:2013	ICP-OES	10 mg/kg
Mercury (Hg)	IEC 62321-4:2013/AMD1:2017	ICP-OES	10 mg/kg
Hexavalent Chromium (Cr(VI))	IEC 62321-7-1:2015	UV-Vis	0.01μg/cm^2
	IEC62321-7-2:2017		10 mg/kg
Polybrominated Biphenyls（PBBs）	IEC 62321-6:2015	GC-MS	50 mg/kg
Polybrominated DiphenylEthers (PBDEs)			

Component No.	Boiling-water-extraction for Cr(VI) (*1)
41	Negative
42	Negative
43	Negative
44	Negative
45	Negative
46	Negative
47	Negative
48	Negative
49	Negative
50	Negative
51	Negative
52	Negative
53	Negative
54	Negative
55	Negative
56	Negative
57	Negative
58	Negative
59	Negative
60	Negative

Remark:

(*1) The screening result of Chromium (VI) was found in the inconclusive region, Thus the Chromium(VI) content in surface layer have been confirmed with reference to IEC 62321-7-1:2015.
Negative - The Cr(VI) concentration is below 0.10μg/cm^2.The coating is considered a non-Cr(VI) based coating.

TO BE CONTINUED

TEST RESULT

Component No.	Test Results (mg/kg)					
	Cd	Pb	Hg	Cr (VI)	PBBs	PBDEs
	Limit (mg/kg)					
	100	1000	1000	1000	1000	1000
4	\	\	\	\	ND	ND
6	\	\	\	\	ND	ND
21	\	\	\	\	ND	ND
22	\	\	\	\	ND	ND
23	\	\	\	\	ND	ND
25	\	966	\	\	\	\
38	\	\	\	\	ND	ND
43	\	33325(*2)	\	\	\	\
52	\	47	\	\	\	\

Note:

The sample had been dissolved totally tested for Lead, Cadmium, Mercury.
MDL = method detection limit
ND = not detected (<MDL)
mg/kg = ppm = parts per million
$\mu g/cm^2$ = micrograms per square centimeter

(*2) As a copper alloy containing up to 4% lead by weight (RoHS Exemption 6(c)).

TO BE CONTINUED

TEST RESULT

Part 2

Diisobutyl phthalate (DIBP), Bis (2- ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP) and Dibutyl phthalate (DBP)

Test specification : Total concentration of Bis(2-ethylhexyl) phthalate (DEHP) , Butyl benzyl phthalate (BBP) , Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) in accordance with EC Directive 2011/65/EU and its amendment Directive (EU) 2015/863 (RoHS)

Test method : IEC 62321-8:2017

Limit : Annex II to Directive 2011/65/EU and its amendment Directive (EU) 2015/863

Component	Test Results (%)			
	DIBP	DEHP	BBP	DBP
	Limit (%)			
	0.1%	0.1%	0.1%	0.1%
1	BL	BL	BL	BL
2	BL	BL	BL	BL
3	BL	BL	BL	BL
4	BL	BL	BL	BL
5	ND	ND	ND	ND
6	BL	BL	BL	BL
7	BL	BL	BL	BL
8	ND	ND	ND	ND
9	BL	BL	BL	BL
10	BL	BL	BL	BL
11	BL	BL	BL	BL
12	BL	BL	BL	BL
13	BL	BL	BL	BL
14	BL	BL	BL	BL
15	BL	BL	BL	BL
16	BL	BL	BL	BL
17	BL	BL	BL	BL
18	BL	BL	BL	BL
19	BL	BL	BL	BL
20	BL	BL	BL	BL
21	ND	ND	ND	ND
22	ND	ND	ND	ND
23	ND	ND	ND	ND
24	ND	ND	ND	ND
25	ND	ND	ND	ND
26	ND	ND	ND	ND
27	ND	ND	ND	ND
28	ND	ND	ND	ND
29	ND	ND	ND	ND
30	ND	0.008	ND	ND
31	ND	ND	ND	ND
32	ND	ND	ND	ND
33	ND	0.007	ND	ND
34	ND	0.010	ND	ND

TO BE CONTINUED

TEST RESULT

35	ND	ND	ND	ND
36	ND	0.022	ND	ND
37	ND	ND	ND	ND
38	ND	ND	ND	ND
39	ND	ND	ND	ND
40	ND	ND	ND	ND

Note:

1. ND = Not Detected (< 0.005%)
2. 0.1% equals to 1000 mg/kg
3. Screening results of Phthalates (PHTH) are for primary testing, further chemical confirmation will performed by GC -MS if the concentration exceeds the below warning value.

Test Items	Polymers/ Composite Material
Diisobutyl Phthalate (DIBP)	BL≤ 0.06%＜X
Dibutyl Phthalate (DBP)	BL≤ 0.06%＜X
Benzylbutyl Phthalate (BBP)	BL≤ 0.06%＜X
Bis(2-ethylhexyl) Phthalate (DEHP)	BL≤ 0.06%＜X

BL= Below limit
X = The region where further confirmation is necessary

END OF THE REPORT