TEST REPORT

Applicant	:	Mid Ocean Brands B.V.
Address	:	Unit 711-716, 7/F., Tower A, 83 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong
Sample description	:	Rechargeable massage gun
Item no.	:	MO2965
Manufacturer	:	107961
Sample received date	:	04-Nov-2025
Further information date	:	08-Jan-2026
Turn around time	:	04-Nov-2025 To 08-Jan-2026
Revised date	:	09-Jan-2026
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 accordance with EC Directive 2011/65/EU and its amendment Directive (EU) 2015/863 (RoHS)
Conclusion	:	Based on the analysis on the selected components of the submitted product, the test results do comply with the concentration limits as specified in Annex II to Directive 2011/65/EU and its amendment Directive (EU) 2015/863

The following test item(s) was/were performed on selected sample(s) and/or component(s) appointed by applicant.

Note : This report cancels and supersedes report number EFW525110753-CG-02 issued on Jan 08th, 2026.
Modification description: as per client's request, revise address of applicant in the revised report.

Eurofins（Shanghai）contact information
Customer service: Winnie.Dong@cpt.eurofinscn.com
Sales specialist: Coco.Wang@cpt.eurofinscn.com

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

Signed for and on behalf of
Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd.

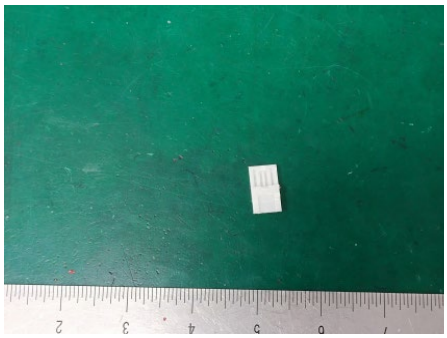
Linda Jin
Chemical Division Assistant Manager SLTH

SAMPLE PHOTO(S)

EFW525110753-CG-02+REV 1

TO BE CONTINUED

COMPONENT PHOTO(S)



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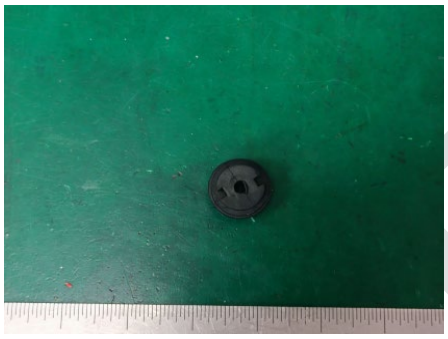

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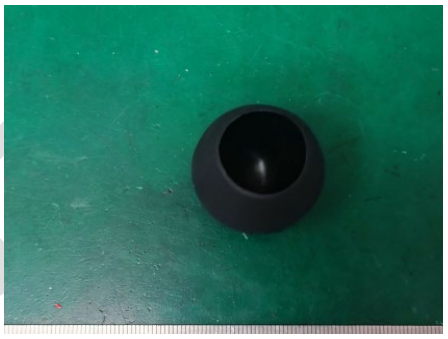

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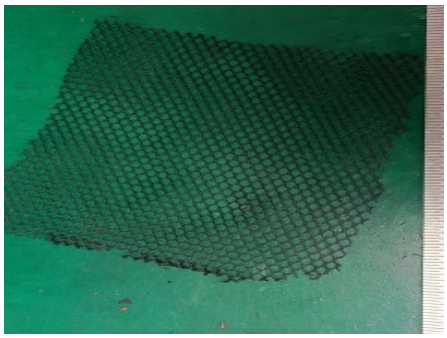

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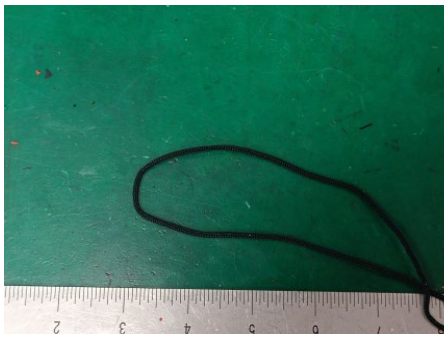

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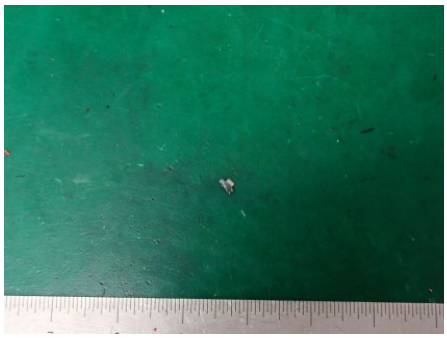

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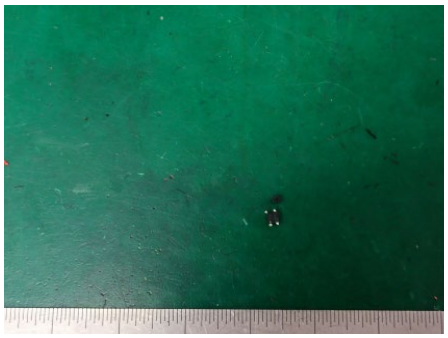

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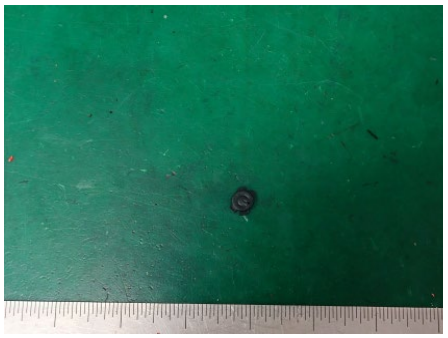

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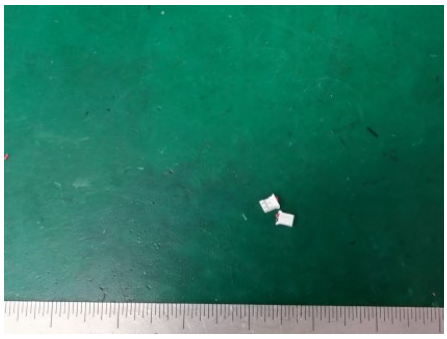

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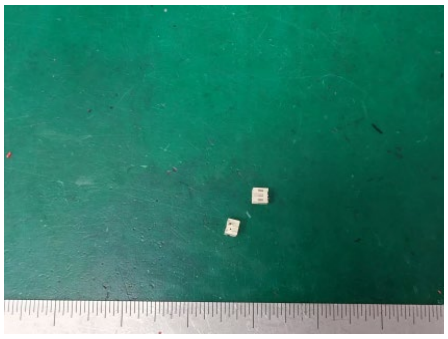

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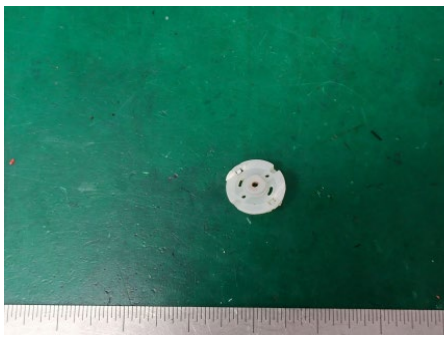

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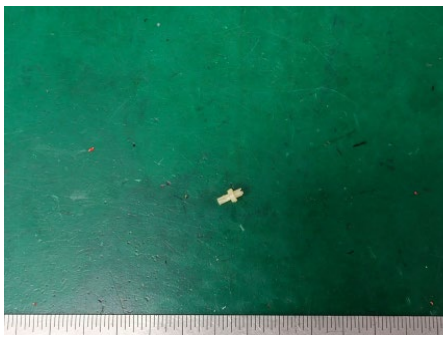

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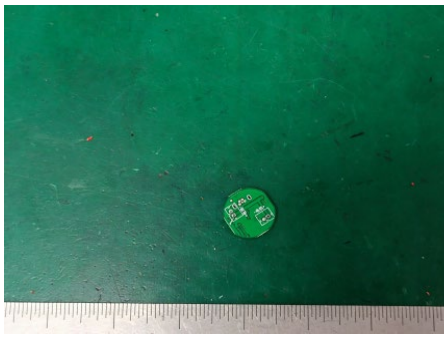

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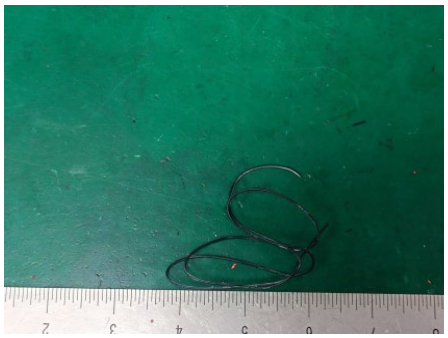

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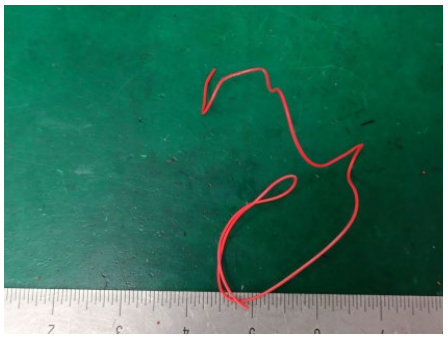

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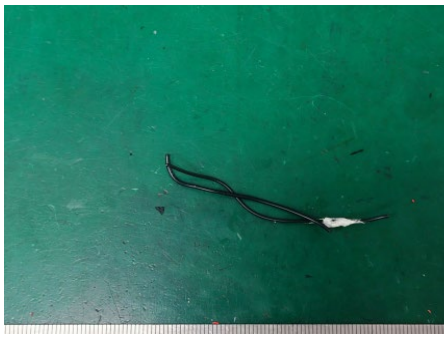
COMPONENT PHOTO(S)



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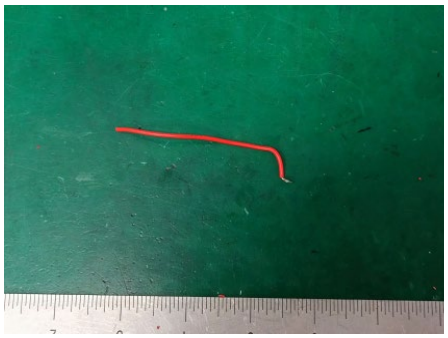

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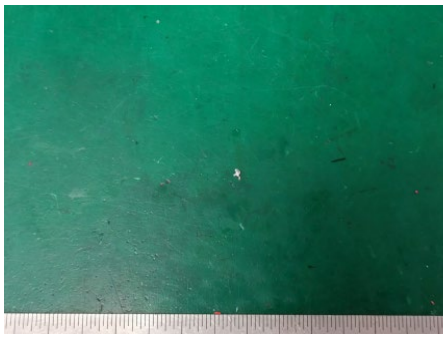

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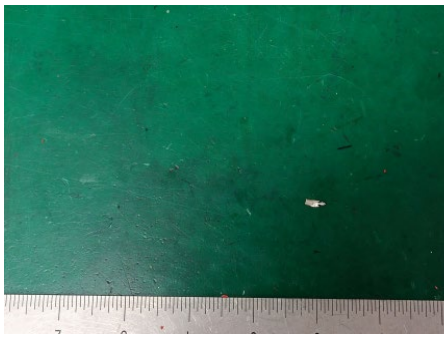

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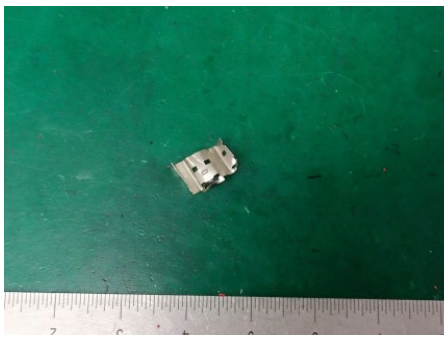

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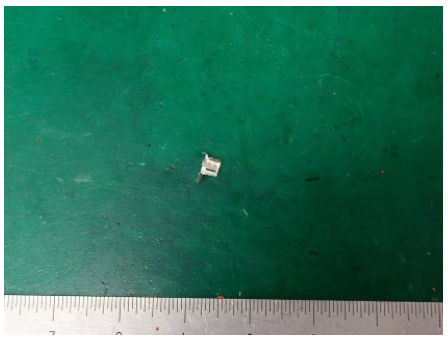

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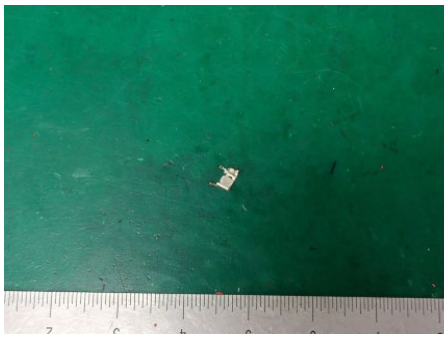

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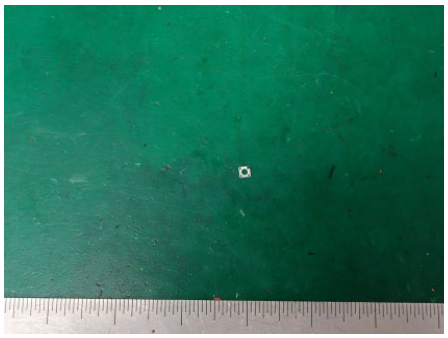

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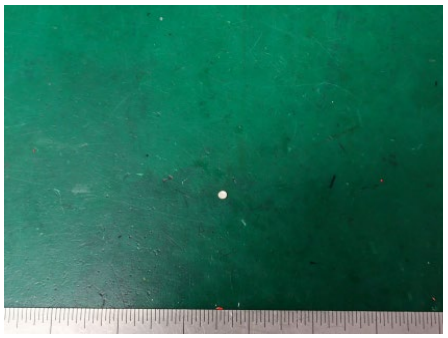

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COMPONENT PHOTO(S)

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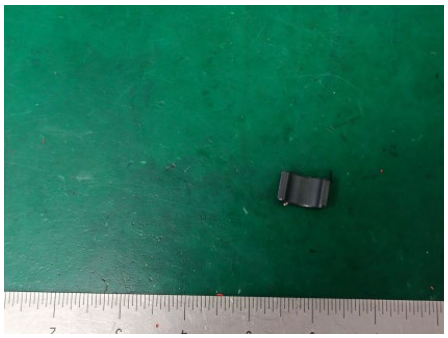

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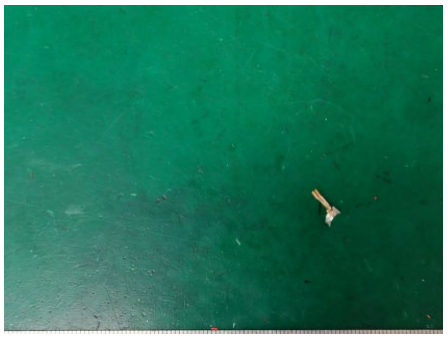

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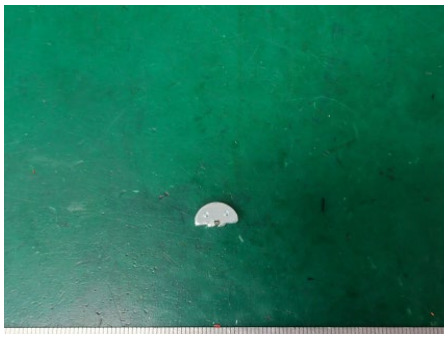

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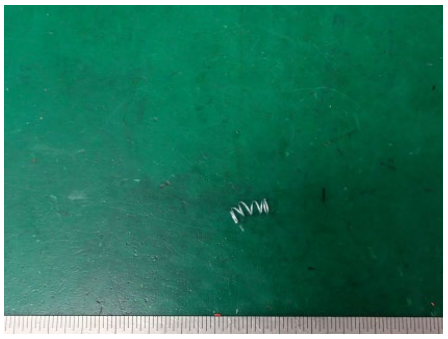

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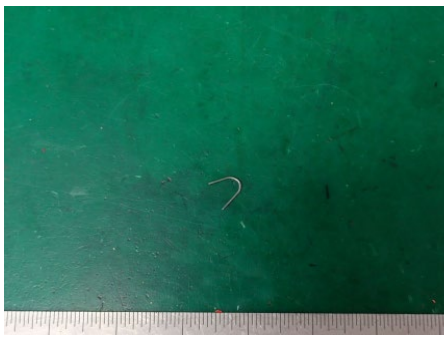

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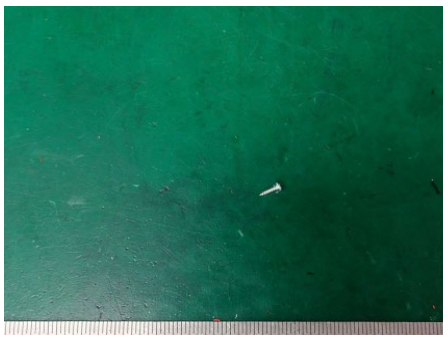

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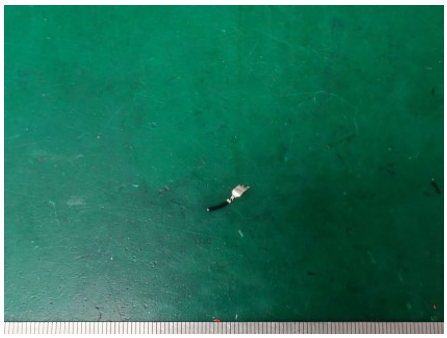

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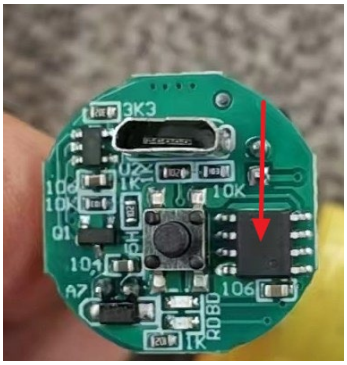

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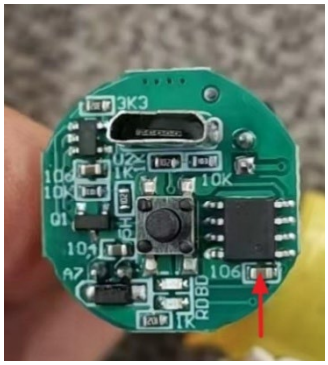

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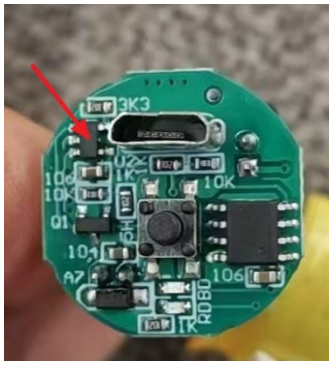

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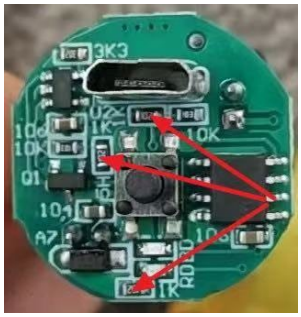

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TO BE CONTINUED

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	White plastic USB interface	BL	BL	BL	BL	BL
2	Black plastic charging interface	BL	BL	BL	BL	BL
3	Black plastic buckle	BL	BL	BL	BL	BL
4	Black plastic body	BL	BL	BL	BL	BL
5	Black soft plastic gasket	BL	BL	BL	BL	BL
6	Black soft plastic head	BL	BL	BL	BL	BL
7	Black soft plastic wire sheath	BL	BL	BL	BL	BL
8	Black soft plastic charging plug/USB plug	BL	BL	BL	BL	BL
9	Black fabric bag	BL	BL	BL	BL	BL
10	Black mesh fabric bag	BL	BL	BL	BL	BL
11	Black fabric rope	BL	BL	BL	BL	BL
12	Black plastic ball	BL	BL	BL	BL	BL
13	Black plastic plug	BL	BL	BL	BL	BL
14	Black plastic button	BL	BL	BL	BL	BL
15	Black plastic button	BL	BL	BL	BL	BL
16	White plastic plug	BL	BL	BL	BL	BL
17	Beige plastic socket	BL	BL	BL	BL	BL
18	White soft plastic	BL	BL	BL	BL	BL
19	Translucent white plastic	BL	BL	BL	BL	BL
20	White plastic sheet	BL	BL	BL	BL	BL
21	Beige plastic shaft	BL	BL	BL	BL	BL
22	Circuit board	BL	BL	BL	BL	BL
23	Black wire skin USB	BL	BL	BL	BL	BL
24	Red wire skin USB	BL	BL	BL	BL	BL
25	Black wire sheath	BL	BL	BL	BL	BL
26	Red wire cover	BL	BL	BL	BL	BL
27	Silver metal solder 1	BL	BL	BL	BL	NA
28	Silver metal solder 2	BL	BL	BL	BL	NA
29	Silver metal sheet	BL	BL	BL	BL	NA
30	Silver metal shaft	BL	BL	BL	NC	NA
31	Copper wire	BL	BL	BL	BL	NA
32	Silver metal large plug	BL	BL	BL	BL	NA
33	Silver metal small plug	BL	BL	BL	NC	NA
34	Silver metal connector	BL	BL	BL	NC	NA
35	Silver metal button piece 1	BL	BL	BL	NC	NA
36	Silver metal button plate 2	BL	BL	BL	NC	NA
37	Silver metal motor case	BL	BL	BL	BL	NA
38	Magnet	BL	BL	BL	BL	NA
39	Golden metal strip	BL	BL	BL	BL	NA

TO BE CONTINUED

TEST RESULT

No.	Component	Test Results (mg/kg)				
		Cd	Pb	Hg	Cr	Br
		Limit (mg/kg)				
		100	1000	1000	Cr(VI): 1000	PBB:1000 PBDE:1000
40	Silver metal sheet	BL	BL	BL	BL	NA
41	Silver metal block	BL	BL	BL	BL	NA
42	Silver metal spring	BL	BL	BL	NC	NA
43	Silver metal needle	BL	BL	BL	NC	NA
44	Silver metal buckle	BL	BL	BL	BL	NA
45	Silver metal screw 1	BL	BL	BL	NC	NA
46	Silver metal electrical connector	BL	BL	BL	BL	NA
47	Black electronic component 1	BL	BL	BL	BL	NA
48	Chip Capacitor	BL	BL	BL	BL	NA
49	Black electronic component 2	BL	BL	BL	BL	NA
50	Black electronic component 3	BL	BL	BL	BL	NA
51	Black electronic component 4	BL	BL	BL	BL	NA
52	Black electronic component 5（302）	BL	BL	BL	BL	NA
53	Black electronic component 6（102）	BL	BL	BL	BL	NA
54	Black electronic component 7（103）	BL	BL	BL	BL	NA

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

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
	IEC 62321-7-2:2017		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)
30	Negative
33	Negative
34	Negative
35	Negative
36	Negative
42	Negative
43	Negative
45	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

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+2+3	ND	0.013	ND	ND
4+5+6	ND	ND	ND	ND
7+8+9	ND	ND	ND	ND
10+11+12	ND	ND	ND	ND
13+14+15	ND	ND	ND	ND
16+17+18	ND	ND	ND	ND
19+20+21	ND	ND	ND	ND
22+23+24	ND	ND	ND	ND
25+26	ND	ND	ND	ND

Note:
ND = Not Detected (＜0.005%)
0.1% equals to 1000 mg/kg

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.
As per client's request, only the appointed materials have been tested.

END OF THE REPORT