Test Report

Applicant: XPLORA Technologies AS
Address: XPLORA Technologies AS Tangerudvegen 13 2008 Fjerdingby Norway

The following samples were submitted and identified by/on behalf of client as:
Name of Product/Item : Kids Smart Watch
Item No. : X5 Play.
Sample Received Date: Jan. 17, 2020
Testing Period: From Jan. 17, 2020 to Feb. 25, 2020

Test Requested :

As specified by client, according to RoHS Directive 2011/65/EU with amendment (EU) 2015/863 to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Phthalates(DBP, BBP, DEHP, DIBP) in the submitted sample(s).

Conclusion: When tested as specified, the sample complies to RoHS Directive 2011/65/EU* and 2015/863.

*2011/65/EU is a new version of RoHS Directive (2002/95/EC), which focuses on restriction of the use of certain hazardous substances (Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDES), Phthalates(DBP, BBP, DEHP, DIBP) in electrical and electronic equipment.

Tested by : Wang Li
Wang Li

Inspected by :
Lin JiaSheng, Lin

Approved by :
Zhang Feng, Jee
Lab Manager

Add: West of 2/F., Jinhui Industrial Building, Juncture of Yuting Road and Tai'an Road, Chenghai District, Shantou, Guangdong, China Tel: 0754-88894222 Email: spg@spg.net.cn Report searching: www.spg.net.cn

Test Method

(1) Screening limits for regulated elements according to IEC 62321-3-1:2013 (Unit: mg/kg)

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

(2) Screening limits for Phthalates

Test Item(s)	Screening limits(Unit: mg/kg)
Dibutyl phthalate(DBP)	BL≤600 <X
Benzylbutyl phthalate(BBP)	BL≤600 <X
Di-2-ethylhexyl phthalate(DEHP)	BL≤600 <X
Diisobutyl phthalate(DIBP)	BL≤600 <X

(3) Chemical Test

Test Item	Test Method	Test Instrument	MDL (mg/kg)	EU RoHS Limit (mg/kg)
Lead (Pb)	IEC 62321-5:2013	ICP-OES	2	1000
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES	2	100
Mercury (Hg)	IEC 62321-4:2013+A1:2017	ICP-OES	2	1000
Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017 (non-metal)	UV-Vis	5	1000
	IEC 62321-7-1:2015 (metal)	UV-Vis	0.1(μg/cm^2)	/
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS	5	1000
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS	5	1000
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS	50	1000

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Remark: BL = Under the screening limit
OL = Above the screening limit
X = The range of needing to do further testing
* =The screened result was found by XRF and further chemical test was suggested
3σ = The reproducibility of analytical instruments
N/A = Not applicable
LOD = Detection limit

Tested components：

SAMPLE No.	COMPONENTS	COLOR AND MATERIALS
1-20: charger		
1	Wire skin	White plastic
2	Wire core	White fabric
3	Wire core	Red metal
4	Wire core	Coppery metal
5	Wire core	Green metal
6	Wire core	Blue metal
7	Wire jacket	White plastic
8	In USB	Transparent plastic
9	In USB	White plastic
10	Pin (USB)	Silvery metal
11	Solder (USB)	Silvery metal
12	Shell (USB)	Silvery metal
13	On shell	Black soft plastic
14	Shell	White plastic
15	PCB	Green mixtures
16	Solder (PCB)	Silvery metal
17	Components (PCB)	Black mixtures
18	Pin	Coppery metal
19	Screw	Silvery metal
20	Magnetic core	Silvery metal
21	Watch band	Black soft plastic
22	Watch band	Pink soft plastic
23	Watch band	Gray soft plastic
24	Buckle	Black plastic
25	Buckle	Silvery metal

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SAMPLE No.	COMPONENTS	COLOR AND MATERIALS
26	On shell (watch)	Silvery sticker
27	On shell (watch)	Black plastic
28	On shell (watch)	White plastic
29	On shell (watch)	Rose red coating
30	On shell (watch)	Dark gray coating
31	Backside of shell (watch)	Silvery metal
32	Pin (watch)	Coppery metal
33	Shell (watch)	Gray plastic
34	Film (on watch screen)	Transparent plastic film
35	Tempered glass (on watch screen)	Transparent glass with black coating
36	Screen (watch)	Translucent plastic
37	Screen (watch)	Dark gray plastic
38	Screen (watch)	Silvery plastic
39	Screen (watch)	White plastic
40	Screen (watch)	Gray plastic
41	Screen (watch)	Bright silvery plastic
42	Screen (watch)	Transparent plastic
43	Frame (watch screen)	White plastic
44	Backside (watch screen)	Silvery metal
45	FPC	Golden mixtures
46	Backside (FPC)	Silvery metal
47	Solder (FPC)	Silvery metal
48	Power strip (FPC)	Golden metal
49	Sensor	Silvery mixtures
50	FPC (sensor)	Golden mixtures
51	Backside of FPC (sensor)	Silvery metal
52	On sensor	Silvery metal
53	On sensor	Red soft plastic
54	On sensor	Black soft plastic
55	FPC (in watch)	Golden mixtures
56	Backside of FPC (in watch)	Silvery metal
57	In watch	Black plastic
58	In watch	Black EVA

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SAMPLE No.	COMPONENTS	COLOR AND MATERIALS
59	On speaker	Black fabric
60	Vibration diaphragm (speaker)	Transparent plastic
61	Shell (speaker)	Silvery metal
62	Coil (speaker)	Coppery metal
63	Fastener (speaker)	Black plastic
64	Magnetic core (speaker)	Silvery metal
65	Shaft (button)	Silvery metal
66	Spring (button)	Silvery metal
67	Gasket (button)	Silvery metal
68	Gasket (button)	Black soft plastic
69	Shell (button)	Silvery metal
70	Metal dome (button)	Silvery metal
71	Pin (button)	Silvery metal
72	Pedestal (button)	Black plastic
73	Button	Creamy white plastic
74	On camera lens	Black sticker
75	On camera lens	Transparent glass
76	Shell (camera)	Black plastic
77	Shell (camera)	Black metal
78	Pedestal (camera)	Black mixtures
79	FPC (camera)	Golden mixtures
80	Backside of FPC (camera)	Silvery metal
81	Wire skin	Red plastic
82	Wire skin	Blue plastic
83	Wire skin	Black plastic
84	Wire core	Silvery metal
85	Backside of motor	Silver gray sticker
86	Shell (motor)	Silvery metal
87	Magnetic core (motor)	Silvery metal
88	Shaft (motor)	Silvery metal
89	Bearing (motor)	Coppery metal
90	Coil (motor)	Coppery metal
91	PCB (motor)	Green mixtures
92	Graphite cooling film	Black mixtures
93	On PCB	Pink diatomite

SAMPLE No.	COMPONENTS	COLOR AND MATERIALS
94	Protective case (components)	Silvery metal
95	On protective case (components)	Sticker
96	Components (FU93627R)	Black mixtures
97	Components (M7AV13111-00)	Black mixtures
98	Components (YKAA1921)	Black mixtures
99	Components (U09140)	Black mixtures
100	Components (RTM7916-61)	Black mixtures
101	SMD Resistance	Black mixtures
102	SMD inductance	Black mixtures
103	MLCC	Brown mixtures
104	SMD Crystal	Silvery mixtures
105	SMD IC	Black mixtures
106	Pin (conducting strip)	Silvery metal
107	Terminal blocks	Silvery metal
108	On PCB	Silvery metal
109	Screw	Black metal
110	Base material (PCB)	Brown polymers
111	Coating (PCB)	Black coating
112	Solder (PCB)	Silvery metal
113	Copper foil (PCB)	Coppery metal

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(1) Screening Result

Tested Item(s)	Screening Result					
	1	2	3	4	5	6
Lead (Pb)	BL	BL	BL	BL	BL	BL
Cadmium (Cd)	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL
Total Chromium (Cr(VI))	BL	BL	BL	BL	BL	BL
Total Bromine (PBBs & PBDEs)	BL	BL	N/A	N/A	N/A	N/A
Dibutyl phthalate(DBP)	BL	BL	N/A	N/A	N/A	N/A
Benzylbutyl phthalate(BBP)	BL	BL	N/A	N/A	N/A	N/A
Di-2-ethylhexyl phthalate(DEHP)	BL	BL	N/A	N/A	N/A	N/A
Diisobutyl phthalate(DIBP)	BL	BL	N/A	N/A	N/A	N/A

Tested Item(s)	Screening Result					
	7	8	9	10	11	12
Lead (Pb)	BL	BL	BL	BL	BL	740*
Cadmium (Cd)	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL
Total Chromium (Cr(VI))	BL	BL	BL	BL	BL	BL
Total Bromine (PBBs & PBDEs)	BL	BL	550*	N/A	N/A	N/A
Dibutyl phthalate(DBP)	BL	BL	BL	N/A	N/A	N/A
Benzylbutyl phthalate(BBP)	BL	BL	BL	N/A	N/A	N/A
Di-2-ethylhexyl phthalate(DEHP)	BL	BL	BL	N/A	N/A	N/A
Diisobutyl phthalate(DIBP)	BL	BL	BL	N/A	N/A	N/A

Tested Item(s)	Screening Result					
	13	14	15	16	17	18
Lead (Pb)	BL	BL	BL	BL	BL	1.349×10^{3}*
Cadmium (Cd)	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL
Total Chromium (Cr(VI))	BL	BL	BL	BL	BL	BL
Total Bromine (PBBs & PBDEs)	BL	BL	BL	N/A	9.878×10^{3}*	N/A
Dibutyl phthalate(DBP)	BL	BL	BL	N/A	BL	N/A
Benzylbutyl phthalate(BBP)	BL	BL	BL	N/A	BL	N/A
Di-2-ethylhexyl phthalate(DEHP)	BL	BL	BL	N/A	BL	N/A
Diisobutyl phthalate(DIBP)	BL	BL	BL	N/A	BL	N/A

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Tested Item(s)	Screening Result					
	19	20	21	22	23	24
Lead (Pb)	BL	BL	BL	BL	BL	BL
Cadmium (Cd)	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL
Total Chromium (Cr(VI))	7.326×10^{3}*	BL	BL	BL	BL	BL
Total Bromine (PBBs & PBDEs)	N/A	N/A	BL	BL	BL	BL
Dibutyl phthalate(DBP)	N/A	N/A	BL	BL	BL	BL
Benzylbutyl phthalate(BBP)	N/A	N/A	BL	BL	BL	BL
Di-2-ethylhexyl phthalate(DEHP)	N/A	N/A	BL	BL	BL	BL
Diisobutyl phthalate(DIBP)	N/A	N/A	BL	BL	BL	BL

Tested Item(s)	Screening Result					
	25	26	27	28	29	30
Lead (Pb)	BL	BL	BL	BL	BL	BL
Cadmium (Cd)	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL
Total Chromium (Cr(VI))	3.8599×10^{4}*	BL	BL	BL	BL	BL
Total Bromine (PBBs & PBDEs)	N/A	BL	BL	BL	BL	BL
Dibutyl phthalate(DBP)	N/A	BL	BL	BL	BL	BL
Benzylbutyl phthalate(BBP)	N/A	BL	BL	BL	BL	BL
Di-2-ethylhexyl phthalate(DEHP)	N/A	BL	BL	BL	BL	BL
Diisobutyl phthalate(DIBP)	N/A	BL	BL	BL	BL	BL

Tested Item(s)	Screening Result					
	31	32	33	34	35	36
Lead (Pb)	BL	BL	BL	BL	BL	BL
Cadmium (Cd)	BL	BL	100*	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL
Total Chromium (Cr(VI))	BL	BL	BL	BL	BL	BL
Total Bromine (PBBs & PBDEs)	N/A	N/A	BL	BL	BL	BL
Dibutyl phthalate(DBP)	N/A	N/A	BL	BL	BL	BL
Benzylbutyl phthalate(BBP)	N/A	N/A	BL	BL	BL	BL
Di-2-ethylhexyl phthalate(DEHP)	N/A	N/A	BL	BL	BL	BL
Diisobutyl phthalate(DIBP)	N/A	N/A	BL	BL	BL	BL

Tested Item(s)	Screening Result					
	37	38	39	40	41	42
Lead (Pb)	BL	BL	BL	BL	BL	BL
Cadmium (Cd)	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL
Total Chromium (Cr(VI))	BL	BL	BL	BL	4.377×10^{3}*	BL
Total Bromine (PBBs & PBDEs)	BL	BL	BL	BL	BL	BL
Dibutyl phthalate(DBP)	BL	BL	BL	BL	BL	BL
Benzylbutyl phthalate(BBP)	BL	BL	BL	BL	BL	BL
Di-2-ethylhexyl phthalate(DEHP)	BL	BL	BL	BL	BL	BL
Diisobutyl phthalate(DIBP)	BL	BL	BL	BL	BL	BL

Tested Item(s)	Screening Result					
	43	44	45	46	47	48
Lead (Pb)	BL	BL	BL	BL	BL	BL
Cadmium (Cd)	BL	BL	BL	BL	BL	105*
Mercury (Hg)	BL	BL	BL	BL	BL	BL
Total Chromium (Cr(VI))	BL	7.9676×10^{4}*	BL	2.5795×10^{4}*	BL	BL
Total Bromine (PBBs & PBDEs)	BL	N/A	BL	N/A	N/A	N/A
Dibutyl phthalate(DBP)	BL	N/A	BL	N/A	N/A	N/A
Benzylbutyl phthalate(BBP)	BL	N/A	BL	N/A	N/A	N/A
Di-2-ethylhexyl phthalate(DEHP)	BL	N/A	BL	N/A	N/A	N/A
Diisobutyl phthalate(DIBP)	BL	N/A	BL	N/A	N/A	N/A

Tested Item(s)	Screening Result					
	49	50	51	52	53	54
Lead (Pb)	BL	BL	BL	BL	BL	BL
Cadmium (Cd)	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL
Total Chromium (Cr(VI))	7.0337×10^{4}*	5.2058×10^{4}*	7.701×10^{3}*	2.0448×10^{4}*	BL	BL
Total Bromine (PBBs & PBDEs)	BL	BL	N/A	N/A	BL	BL
Dibutyl phthalate(DBP)	BL	BL	N/A	N/A	BL	BL
Benzylbutyl phthalate(BBP)	BL	BL	N/A	N/A	BL	BL
Di-2-ethylhexyl phthalate(DEHP)	BL	BL	N/A	N/A	BL	BL
Diisobutyl phthalate(DIBP)	BL	BL	N/A	N/A	BL	BL

Tested Item(s)	Screening Result					
	55	56	57	58	59	60
Lead (Pb)	BL	BL	BL	BL	BL	BL
Cadmium (Cd)	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL
Total Chromium (Cr(VI))	3.8678×10^{4}*	3.3387×10^{4}*	BL	4.756×10^{3}*	BL	BL
Total Bromine (PBBs & PBDEs)	BL	N/A	BL	BL	BL	BL
Dibutyl phthalate(DBP)	BL	N/A	BL	BL	BL	BL
Benzylbutyl phthalate(BBP)	BL	N/A	BL	BL	BL	BL
Di-2-ethylhexyl phthalate(DEHP)	BL	N/A	BL	BL	BL	BL
Diisobutyl phthalate(DIBP)	BL	N/A	BL	BL	BL	BL

Tested Item(s)	Screening Result					
	61	62	63	64	65	66
Lead (Pb)	BL	BL	BL	BL	BL	BL
Cadmium (Cd)	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL
Total Chromium (Cr(VI))	BL	BL	BL	758*	982*	BL
Total Bromine (PBBs & PBDEs)	N/A	N/A	BL	N/A	N/A	N/A
Dibutyl phthalate(DBP)	N/A	N/A	BL	N/A	N/A	N/A
Benzylbutyl phthalate(BBP)	N/A	N/A	BL	N/A	N/A	N/A
Di-2-ethylhexyl phthalate(DEHP)	N/A	N/A	BL	N/A	N/A	N/A
Diisobutyl phthalate(DIBP)	N/A	N/A	BL	N/A	N/A	N/A

Tested Item(s)	Screening Result					
	67	68	69	70	71	72
Lead (Pb)	BL	BL	BL	BL	BL	BL
Cadmium (Cd)	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL
Total Chromium (Cr(VI))	1.687×10^{3}*	BL	BL	BL	BL	BL
Total Bromine (PBBs & PBDEs)	N/A	BL	N/A	N/A	N/A	BL
Dibutyl phthalate(DBP)	N/A	BL	N/A	N/A	N/A	BL
Benzylbutyl phthalate(BBP)	N/A	BL	N/A	N/A	N/A	BL
Di-2-ethylhexyl phthalate(DEHP)	N/A	BL	N/A	N/A	N/A	BL
Diisobutyl phthalate(DIBP)	N/A	BL	N/A	N/A	N/A	BL

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Tested Item(s)	Screening Result						
	73	74	75	76	77	78	79
Lead (Pb)	BL	BL	BL	BL	BL	BL	BL
Cadmium (Cd)	BL	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL	BL
Total Chromium (Cr(VI))	BL	BL	BL	BL	BL	2.715×10^{3}*	5.9315×10^{4}*
Total Bromine (PBBs & PBDEs)	BL	BL	BL	BL	N/A	BL	BL
Dibutyl phthalate(DBP)	BL	BL	BL	BL	N/A	BL	BL
Benzylbutyl phthalate(BBP)	BL	BL	BL	BL	N/A	BL	BL
Di-2-ethylhexyl phthalate(DEHP)	BL	BL	BL	BL	N/A	BL	BL
Diisobutyl phthalate(DIBP)	BL	BL	BL	BL	N/A	BL	BL

Tested Item(s)	Screening Result						
	80	81	82	83	84	85	86
Lead (Pb)	BL	BL	BL	BL	BL	BL	BL
Cadmium (Cd)	BL	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL	BL
Total Chromium (Cr(VI))	1.3683×10^{4}*	BL	BL	BL	BL	BL	BL
Total Bromine (PBBs & PBDEs)	N/A	BL	BL	BL	N/A	BL	N/A
Dibutyl phthalate(DBP)	N/A	BL	BL	BL	N/A	BL	N/A
Benzylbutyl phthalate(BBP)	N/A	BL	BL	BL	N/A	BL	N/A
Di-2-ethylhexyl phthalate(DEHP)	N/A	BL	BL	BL	N/A	BL	N/A
Diisobutyl phthalate(DIBP)	N/A	BL	BL	BL	N/A	BL	N/A

Tested Item(s)	Screening Result						
	87	88	89	90	91	92	93
Lead (Pb)	BL	BL	BL	BL	BL	BL	BL
Cadmium (Cd)	BL	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL	BL
Total Chromium (Cr(VI))	BL	890*	BL	BL	BL	BL	9.345×10^{3}*
Total Bromine (PBBs & PBDEs)	N/A	N/A	N/A	N/A	BL	BL	BL
Dibutyl phthalate(DBP)	N/A	N/A	N/A	N/A	BL	BL	BL
Benzylbutyl phthalate(BBP)	N/A	N/A	N/A	N/A	BL	BL	BL
Di-2-ethylhexyl phthalate(DEHP)	N/A	N/A	N/A	N/A	BL	BL	BL
Diisobutyl phthalate(DIBP)	N/A	N/A	N/A	N/A	BL	BL	BL

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Tested Item(s)	Screening Result						
	94	95	96	97	98	99	100
Lead (Pb)	BL	BL	BL	BL	BL	BL	BL
Cadmium (Cd)	BL	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL	BL
Total Chromium (Cr(VI))	3.3026×10^{4}*	BL	BL	BL	1.818×10^{3}*	1.676×10^{3}*	BL
Total Bromine (PBBs & PBDEs)	N/A	BL	BL	BL	BL	BL	BL
Dibutyl phthalate(DBP)	N/A	BL	BL	BL	BL	BL	BL
Benzylbutyl phthalate(BBP)	N/A	BL	BL	BL	BL	BL	BL
Di-2-ethylhexyl phthalate(DEHP)	N/A	BL	BL	BL	BL	BL	BL
Diisobutyl phthalate(DIBP)	N/A	BL	BL	BL	BL	BL	BL

Tested Item(s)	Screening Result						
	101	102	103	104	105	106	107
Lead (Pb)	BL	BL	BL	BL	BL	BL	BL
Cadmium (Cd)	BL	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL	BL
Total Chromium (Cr(VI))	BL	7.336×10^{3}*	BL	BL	BL	3.123×10^{3}*	BL
Total Bromine (PBBs & PBDEs)	BL	BL	BL	BL	BL	N/A	N/A
Dibutyl phthalate(DBP)	BL	BL	BL	BL	BL	N/A	N/A
Benzylbutyl phthalate(BBP)	BL	BL	BL	BL	BL	N/A	N/A
Di-2-ethylhexyl phthalate(DEHP)	BL	BL	BL	BL	BL	N/A	N/A
Diisobutyl phthalate(DIBP)	BL	BL	BL	BL	BL	N/A	N/A

Tested Item(s)	Screening Result					
	108	109	110	111	112	113
Lead (Pb)	BL	BL	BL	BL	BL	BL
Cadmium (Cd)	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL
Total Chromium (Cr(VI))	7.275×10^{3}*	BL	BL	BL	BL	BL
Total Bromine (PBBs & PBDEs)	N/A	N/A	BL	BL	N/A	N/A
Dibutyl phthalate(DBP)	N/A	N/A	BL	BL	N/A	N/A
Benzylbutyl phthalate(BBP)	N/A	N/A	BL	BL	N/A	N/A
Di-2-ethylhexyl phthalate(DEHP)	N/A	N/A	BL	BL	N/A	N/A
Diisobutyl phthalate(DIBP)	N/A	N/A	BL	BL	N/A	N/A

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Remark:

N.D. = Not Detected
MDL = Method Detection Limit
mg/kg = ppm = parts per million
1000 mg/kg = 0.1%
* =The screened result was found by XRF and further chemical test was suggested
IN= Uncertain, Further chemical test
N/A= Not applicable
BL = Under the screening limit
OL = Further chemical test will be conducted while the result is above the screening limit.
When conducting the test for PBBs&PBDEs, XRF was introduced to screen Br Exclusively; When conducting the test for Hexavalent Chromium, XRF was introduced to screen Chromium exclusively.

(2) Test result for Chemical Confirmation

(a) The test result of Lead (Pb)

Testing item	Result (mg/kg)	
	12	18
Lead (Pb)	N.D.	$^{\#}1.1420\times10^{4}$

-#=According to the directive (2011/65/EU) the fourth part first, lead in copper alloy allows content of 4%.

(b) The test result of Cadmium (Cd)

Testing item	Result (mg/kg)	
	33	48
Cadmium (Cd)	N.D.	N.D.

(c) The test result of Hexavalent Chromium(Cr(VI))

1. IEC 62321-7-1:2015 Determination of certain substances in electrotechnical products – Part 7-1: Hexavalent chromium – Presence of hexavalent chromium (Cr(VI)) in colourless and coloured corrosion-protected coatings on metals by the colorimetric method

Testing item	Result (μ g/cm^2)						
	19	25	44	46	51	52	56
Total Chromium (Cr(VI))	Negative	Negative	Negative	Negative	Negative	Negative	Negative

Testing item	Result (μ g/cm^2)							
	64	65	67	80	88	94	106	108
Total Chromium (Cr(VI))	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative

2. IEC 62321-7-2:2017 Determination of certain substances in electrotechnical products – Part 7-2: Hexavalent chromium – Determination of hexavalent chromium (Cr(VI)) in polymers and electronics by the colorimetric method

Testing item	Result (mg/kg)				
	41	49	50	55	58
Total Chromium (Cr(VI))	N.D.	N.D.	N.D.	N.D.	N.D.

Testing item	Result (mg/kg)					
	78	79	93	98	99	102
Total Chromium (Cr(VI))	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

(d) The test result of PBBs, PBDEs

Testing item	Result (mg/kg)	
	9	17
Monobromobiphenyl (MonoBB)	N.D.	N.D.
Dibromobiphenyl (DiBB)	N.D.	N.D.
Tribromobiphenyl (TriBB)	N.D.	N.D.
Tetrabromobiphenyl (TetraBB)	N.D.	N.D.
Pentabromobiphenyl (PentaBB)	N.D.	N.D.
Hexabromobiphenyl (HexaBB)	N.D.	N.D.
Heptabromobiphenyl (HeptaBB)	N.D.	N.D.
Octabromobiphenyl (OctaBB)	N.D.	N.D.
Nonabromobiphenyl (NonaBB)	N.D.	N.D.
Decabromobiphenyl (DecaBB)	N.D.	N.D.
Sum of polybrominated biphenyls (PBBs)	N.D.	N.D.
Monobromodiphenyl ether (MonoBDE)	N.D.	N.D.
Dibromodiphenyl ether (DiBDE)	N.D.	N.D.
Tribromodiphenyl ether (TriBDE)	N.D.	N.D.
Tetrabromodiphenyl ether (TetraBDE)	N.D.	N.D.
Pentabromodiphenyl ether (PentaBDE)	N.D.	N.D.
Hexabromodiphenyl ether (HexaBDE)	N.D.	N.D.
Heptabromodiphenyl ether (HeptaBDE)	N.D.	N.D.
Octabromodiphenyl ether (OctaBDE)	N.D.	N.D.
Nonabromodiphenyl ether (NonaBDE)	N.D.	N.D.
Decabromodiphenyl ether (DecaBDE)	N.D.	N.D.
Sum of polybrominated diphenyl ethers(PBDEs)	N.D.	N.D.

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Sample photo:

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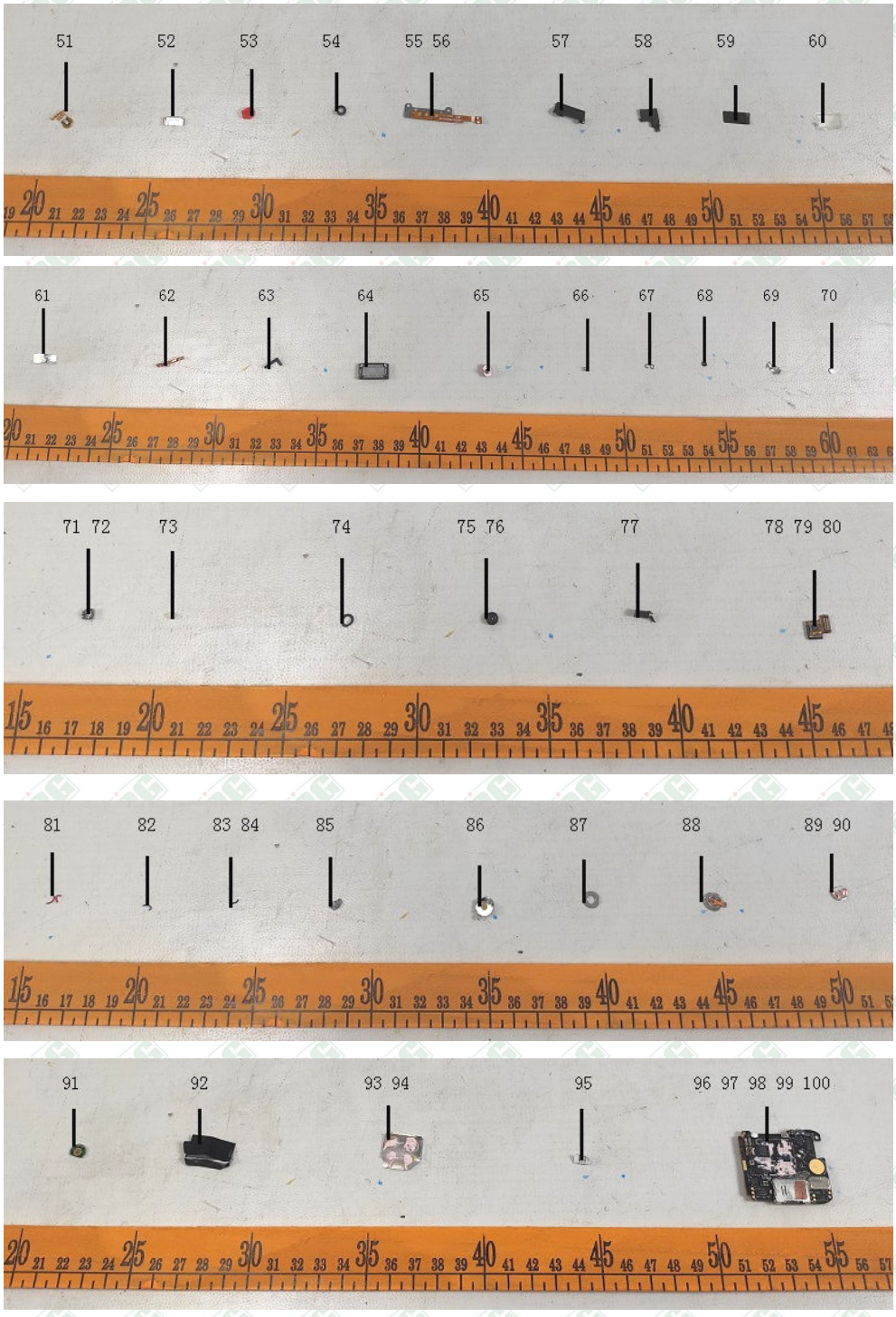

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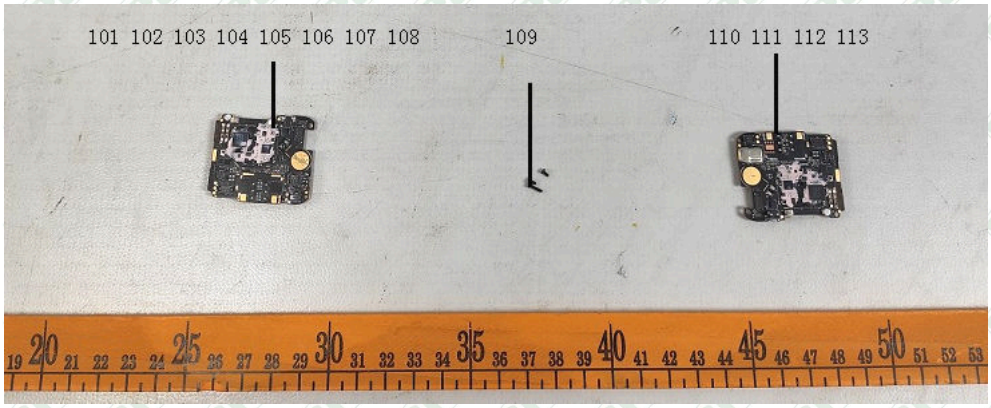

******END OF REPORT******