

Test Report



Report No. : MVT190402A02E

Date: Apr .04, 2019

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Applicant : Trust International B.V.

Address : Laan van Barcelona 600,3317 DD Dordrecht, The Netherlands

Report on the submitted sample(s) said to be:

Sample(s) Name : Keyboard & Mouse

Manufacturer : ShenZhen New Unite Electronic Co.,Ltd.

Main modelNo. : XL-GK018+XL-GM108(23289 series)

ModelNo. : XL-GK018, XL-GK027, XL-GK028, XL-GK029, XL-GK030, XL-GK031, XL-GK032, XL-GK033, XL-GK034, XL-GK035, XL-GK036, XL-GK037, XL-GK038, XL-GK039, XL-GK040, XL-GK035, XL-KB021, XL-KB022, XL-KB023, XL-KB025, XL-KB026, XL-KB027, XL-KB028, XL-KB029, XL-GM108, XL-GM18, XL-GM31, XL-GM32, XL-GM33, XL-GM36, XL-GM37, XL-GM38, XL-GM39, XL-GM42, XL-GM43, XL-GM44, XL-GM46, XL-GM50, XL-GM51, XL-GM52, XL-GM58, XL-GM66, XL-GM76, XL-GM86, XL-GM96, XL-GM106, XL-GM116, XL-GM126, XL-GM136, XL-GM146, XL-GM156, XL-GM166, XL-GM176, XL-GM186, XL-GM196, XL-M002, XL-M003, XL-M005, XL-M006, XL-M007, XL-M008, XL-M009, XL-M010, XL-M011, XL-M014, XL-M016, XL-M017, XL-WP10, XL-M019, XL-M020, XL-M023, XL-M026, XL-M029, XL-M30, XL-M035, XL-M036, XL-M046, XL-M056, XL-M102, XL-M111, XL-M116, XL-M126, XL-M168, XL-M320, XL-M136, XL-M146, XL-M156, XL-M166, XL-M176, XL-M186, XL-M196.

Sample(s) received date : Apr.04,2019

Testing period : Form Apr.04,2019 to Apr.15,2019

Test Request

As specified by client, to determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr 6+), Polybrominated Biphenyls(PBBs) & Polybrominated Diphenyl Ethers(PBDEs), Dibutyl Phthalate (DBP), Benzylbutyl Phthalate (BBP), Bis-(2-ethylhexyl) Phthalate (DEHP) and Diisobutyl Phthalate (DIBP) content in the submitted sample(s) in accordance with Directive 2011/65/EU (RoHS) & its amendment Directive (EU) 2015/863.

Conclusion

Pass

Approved by: _____



Technical Manager

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Photograph(s) of Sample



MVT authenticate the photo on original report only

Specimen Description:

No.	Test part(s) name
1	White plastic(USB)
2	Black plastic cover(data line)
3	Black Textile line(data line)
4	Black wire sheath (data line)
5	White wire sheath (data line)
6	Green wire sheath (data line)
7	Black soft plastic(USB)
8	Black plastic(plug)
9	Black soft plastic (plug)
10	Copper wire
11	Yellow wire sheath (data line)
12	Silvery metal(USB)
13	Pink wire sheath (data line)
14	Red Pink wire sheath (data line)

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No.	Test part(s) name
15	Black plastic(The keyboard cover)
16	Black plastic(key)
17	White silica gel (key)
18	Blue silica gel (key)
19	Silvery metal spring(keyboard)
20	Black silica gel (keyboard)
21	Silvery sheetmetal(keyboard)
22	Silvery metal strip(keyboard)
23	Silvery metal screw
24	Black metal screw
25	Grey plastic bottom case
26	White soft plastic(keyboard)
27	White plastic plug(keyboard)
28	Silvery flash sticker(keyboard)
29	Transparent plastic(keyboard)
30	Black coated metal(keyboard)
31	Transparent PVC (keyboard)
32	Transparent+ apricot PVC(keyboard)
33	Black paster(keyboard)
34	White PVC (keyboard)
35	Black label(keyboard)
36	White viscose(keyboard)
37	Black plastic footing (bottom shell)
38	Black soft plastic (bottom shell)
39	Golden metal(USB)
40	White plastic socket(PCB)
41	Silvery metal needle(PCB)
42	Capacitance(PCB)
43	Chip resistor (PCB)

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No.	Test part(s) name
44	Soldering (PCB)
45	Black resin(PCB)
46	PCB
47	White viscose(mouse)
48	Black label(mouse)
49	Black gasket(mouse)
50	Black plastic shell 1(mouse)
51	Black plastic(key 1)
52	Black plastic(key 2)
53	Black plastic shell 2(mouse)
54	White plastic(mouse)
55	Transparent plastic(mouse)
56	Black plastic bottom shell(mouse)
57	Black plastic shell(mouse)
58	Black wire sheath (ribbon)
59	Silvery wire(ribbon)
60	Black rubber wheel(mouse)
61	Black plastic(mouse wheel)
62	Black plastic protective jacket (data line)
63	Black metal circular tube(mouse)
64	Black plastic tube (data line)
65	Silvery metal block(mouse)
66	Black metal screw(mouse)
67	Silvery metal screw(mouse)
68	PCB plastic(mouse)
69	Capacitance(mouse)
70	Soldering (PCB)
71	White glass(indicator light)
72	Transparent glass(indicator light)

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No.	Test part(s) name
73	Black + brown+ green Capacitance(PCB)
74	Black +red Capacitance(PCB)
75	Black Capacitance(PCB)
76	Black + brown Capacitance(PCB)
77	Black plastic cover 1(key)
78	Silvery metal(key)
79	Black metal cover 2(key)
80	Red plastic(key)
81	White plastic(key)
82	Greg plastic(key)
83	Golden sheetmetal(key)
84	Black plastic 1 (mouse wheel)
85	Golden sheetmetal (mouse wheel)
86	Silvery metal(mouse wheel)
87	Golden wire (mouse wheel)
88	Black plastic 2 (mouse wheel)
89	Silvery sheetmetal(mouse wheel)
90	Silvery metal gasket(mouse key)
91	White plastic (mouse key)
92	Black plastic (mouse key)
93	Silvery wire (mouse wheel)
94	Black plastic 1(side key)
95	Silvery metal(side key)
96	Copper alloy(side key)
97	Light blue plastic(side key)
98	Black plastic 2(side key)
99	Silvery metal rack(side key)
100	Silvery metal shell (cell)
101	Black soft plastic (cell)

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No.	Test part(s) name
102	Yellow brown paper(cell)
103	Silvery metal plug(cell)
104	Black plastic cover(cell)
105	Black plastic cover(control chip)
106	Black plastic border (control chip)
107	Light blue glass(control chip)
108	Bronze metal(control chip)
109	Black Textile line(data line)
110	Black wire sheath (data line)
111	Orange wire sheath (data line)
112	Dark blue wire sheath (data line)
113	Dark green wire sheath (data line)
114	White wire sheath (data line)
115	Copper
116	Black soft plastic (plug)
117	Black plastic(USB plug)
118	Golden metal (USB)
119	Soldering (USB)
120	White plastic(USB)
121	Black soft plastic (USB)
122	Silvery metal (USB)

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Results:

- (1) **RoHS 2.0 Restricted materials-Lead(Pb), Cadmium(Cd), Mercury(Hg), Total Chromium(Cr), PBBs&PBDEs**

Test Method: IEC 62321-3-1: 2013

Test Instrument: XRF

Seq.No.	Tested Part(s)	Result(s)				
		Pb	Cd	Hg	Cr	Br
1	White plastic(USB)	BL	BL	BL	BL	BL
2	Black plastic cover(data line)	BL	BL	BL	BL	BL
3	Black Textile line(data line)	BL	BL	BL	BL	BL
4	Black wire sheath (data line)	BL	BL	BL	BL	BL
5	White wire sheath (data line)	BL	BL	BL	BL	BL
6	Green wire sheath (data line)	BL	BL	BL	BL	BL
7	Black soft plastic(USB)	BL	BL	BL	BL	BL
8	Black plastic(plug)	BL	BL	BL	BL	BL
9	Black soft plastic(plug)	BL	BL	BL	BL	BL
10	Copper wire	BL	BL	BL	BL	NA
11	Yellow wire sheath (data line)	BL	BL	BL	BL	BL
12	Silvery metal(USB)	BL	BL	BL	BL	NA
13	Pink wire sheath (data line)	BL	BL	BL	BL	BL
14	Red Pink wire sheath (data line)	BL	BL	BL	BL	BL
15	Black plastic(The keyboard cover)	BL	BL	BL	BL	BL
16	Black plastic(key)	BL	BL	BL	BL	BL
17	White silica gel (key)	BL	BL	BL	BL	BL
18	Blue silica gel (key)	BL	BL	BL	BL	BL
19	Silvery metal spring(keyboard)	BL	BL	BL	BL	NA
20	Black silica gel (keyboard)	BL	BL	BL	BL	BL
21	Silvery sheetmetal (keyboard)	BL	BL	BL	BL	NA

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Seq.No.	Tested Part(s)	Result(s)				
		Pb	Cd	Hg	Cr	Br
22	Silvery metal strip(keyboard)	BL	BL	BL	BL	NA
23	Silvery metal screw	BL	BL	BL	BL	NA
24	Black metal screw	BL	BL	BL	X	NA
25	Grey plastic bottom case	BL	BL	BL	BL	BL
26	White soft plastic(keyboard)	BL	BL	BL	BL	BL
27	White plastic plug(keyboard)	BL	BL	BL	BL	BL
28	Silvery flash sticker(keyboard)	BL	BL	BL	BL	BL
29	Transparent plastic(keyboard)	BL	BL	BL	BL	BL
30	Black coated metal(keyboard)	BL	BL	BL	X	NA
31	Transparent PVC (keyboard)	BL	BL	BL	BL	BL
32	Transparent+ apricot PVC(keyboard)	BL	BL	BL	BL	BL
33	Black paster (keyboard)	BL	BL	BL	BL	BL
34	White PVC (The keyboard casing)	BL	BL	BL	BL	BL
35	Black label(keyboard)	BL	BL	BL	BL	BL
36	White viscose(keyboard)	BL	BL	BL	BL	BL
37	Black plastic footing(bottom shell)	BL	BL	BL	BL	X
38	Black soft plastic(bottom shell)	BL	BL	BL	BL	BL
39	Golden metal(USB)	BL	BL	BL	BL	NA
40	White plastic socket(PCB)	BL	BL	BL	BL	X
41	Silvery metal needle(PCB)	BL	BL	BL	BL	NA
42	Capacitance(PCB)	BL	BL	BL	BL	X
43	Chip resistor (PCB)	BL	BL	BL	BL	BL
44	Soldering (PCB)	BL	BL	BL	BL	NA

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Seq.No.	Tested Part(s)	Result(s)				
		Pb	Cd	Hg	Cr	Br
45	Black resin(PCB)	BL	BL	BL	BL	X
46	PCB	BL	BL	BL	BL	X
47	White viscose(mouse)	BL	BL	BL	BL	BL
48	Black label(mouse)	BL	BL	BL	BL	BL
49	Black gasket(mouse)	BL	BL	BL	BL	BL
50	Black plastic shell 1(mouse)	BL	BL	BL	BL	BL
51	Black plastic(key 1)	BL	BL	BL	BL	BL
52	Black plastic(key 2)	BL	BL	BL	BL	BL
53	Black plastic shell 2(mouse)	BL	BL	BL	BL	BL
54	White plastic(mouse)	BL	BL	BL	BL	BL
55	Transparent plastic(mouse)	BL	BL	BL	BL	BL
56	Black plastic bottom shell(mouse)	BL	BL	BL	BL	BL
57	Black plastic shell(mouse)	BL	BL	BL	BL	BL
58	Black wire sheath (ribbon)	BL	BL	BL	BL	BL
59	Silvery wire(ribbon)	BL	BL	BL	BL	NA
60	Black rubber wheel(mouse)	BL	BL	BL	BL	BL
61	Black plastic(mouse wheel)	BL	BL	BL	BL	BL
62	Black plastic protective jacket (data line)	BL	BL	BL	BL	BL
63	Black metal circular tube(mouse)	BL	BL	BL	BL	NA
64	Black plastic tube (data line)	BL	BL	BL	BL	BL
65	Silvery metal block(mouse)	BL	BL	BL	BL	NA
66	Black metal screw(mouse)	BL	BL	BL	BL	NA
67	Silvery metal screw(mouse)	BL	BL	BL	BL	NA

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Seq.No.	Tested Part(s)	Result(s)				
		Pb	Cd	Hg	Cr	Br
68	PCB (mouse)	BL	BL	BL	BL	BL
69	Capacitance(mouse)	BL	BL	BL	BL	BL
70	Soldering (PCB)	BL	BL	BL	BL	NA
71	White glass(indicator light)	BL	BL	BL	BL	NA
72	Transparent glass(indicator light)	BL	BL	BL	BL	NA
73	Black + brown+ green Capacitance(PCB)	BL	BL	BL	BL	BL
74	Black +red Capacitance(PCB)	BL	BL	BL	BL	BL
75	Black Capacitance(PCB)	BL	BL	BL	BL	BL
76	Black + brown Capacitance(PCB)	BL	BL	BL	BL	BL
77	Black plastic cover 1(key)	BL	BL	BL	BL	BL
78	Silvery metal(key)	BL	BL	BL	BL	NA
79	Black plastic cover 2(key)	BL	BL	BL	BL	BL
80	Red plastic(key)	BL	BL	BL	BL	BL
81	White plastic(key)	BL	BL	BL	BL	BL
82	Greg plastic(key)	BL	BL	BL	BL	BL
83	Golden sheetmetal(key)	BL	BL	BL	BL	NA
84	Black plastic 1 (mouse wheel)	BL	BL	BL	BL	BL
85	Golden sheetmetal (mouse wheel)	BL	BL	BL	BL	NA
86	Silvery metal(mouse wheel)	BL	BL	BL	BL	NA
87	Golden wire (mouse wheel)	BL	BL	BL	BL	NA
88	Black plastic 2 (mouse wheel)	BL	BL	BL	BL	BL
89	Silvery sheetmetal(mouse wheel)	BL	BL	BL	BL	NA
90	Silvery metal gasket(mouse key)	BL	BL	BL	BL	NA

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Seq.No.	Tested Part(s)	Result(s)				
		Pb	Cd	Hg	Cr	Br
91	White plastic (mouse key)	BL	BL	BL	BL	BL
92	Black plastic (mouse key)	BL	BL	BL	BL	BL
93	Silvery wire (mouse wheel)	BL	BL	BL	BL	NA
94	Black plastic 1(side key)	BL	BL	BL	BL	BL
95	Silvery metal(side key)	BL	BL	BL	BL	NA
96	Copper alloy(side key)	BL	BL	BL	BL	NA
97	Light blue plastic(side key)	BL	BL	BL	BL	BL
98	Black plastic 2(side key)	BL	BL	BL	BL	BL
99	Silvery metal rack(side key)	BL	BL	BL	BL	NA
100	Silvery metal shell (cell)	BL	BL	BL	BL	NA
101	Black soft plastic (cell)	BL	BL	BL	BL	BL
102	Yellow brown paper(cell)	BL	BL	BL	BL	BL
103	Silvery metal plug(cell)	BL	BL	BL	BL	NA
104	Black plastic cover(cell)	BL	BL	BL	BL	BL
105	Black plastic cover(control chip)	BL	BL	BL	BL	BL
106	Black plastic border (control chip)	BL	BL	BL	BL	BL
107	Light blue glass(control chip)	BL	BL	BL	BL	NA
108	Bronze metal(control chip)	BL	BL	BL	BL	NA
109	Black Textile line(data line)	BL	BL	BL	BL	BL
110	Black wire sheath (data line)	BL	BL	BL	BL	BL
111	Orange wire sheath (data line)	BL	BL	BL	BL	BL
112	Dark blue wire sheath (data line)	BL	BL	BL	BL	BL
113	Dark green wire sheath (data line)	BL	BL	BL	BL	BL

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Seq.No.	Tested Part(s)	Result(s)				
		Pb	Cd	Hg	Cr	Br
114	White wire sheath (data line)	BL	BL	BL	BL	BL
115	Copper	BL	BL	BL	BL	NA
116	Black soft plastic (plug)	BL	BL	BL	BL	BL
117	Black plastic(USB plug)	BL	BL	BL	BL	BL
118	Golden metal (USB)	BL	BL	BL	BL	NA
119	Soldering (USB)	BL	BL	BL	BL	NA
120	White plastic(USB)	BL	BL	BL	BL	BL
121	Black soft plastic (USB)	BL	BL	BL	BL	BL
122	Silvery metal (USB)	BL	BL	BL	BL	NA

Notes:

1. Results were obtained by XRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) are recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1:2013.

Element	Unit	Non-metal	Metal	Composite Material
Pb	mg/kg	$BL \leq 700-3\sigma < X < 1300+3\sigma \leq OL$	$BL \leq 700-3\sigma < X < 1300+3\sigma \leq OL$	$BL \leq 500-3\sigma < X < 1500+3\sigma \leq OL$
Cd	mg/kg	$BL \leq 70-3\sigma < X < 130+3\sigma \leq OL$	$BL \leq 70-3\sigma < X < 130+3\sigma \leq OL$	$LOD < X < 150+3\sigma \leq OL$
Hg	mg/kg	$BL \leq 700-3\sigma < X < 1300+3\sigma \leq OL$	$BL \leq 700-3\sigma < X < 1300+3\sigma \leq OL$	$BL \leq 500-3\sigma < X < 1500+3\sigma \leq OL$
Cr	mg/kg	$BL \leq 700-3\sigma < X$	$BL \leq 700-3\sigma < X$	$BL \leq 500-3\sigma < X$
Br	mg/kg	$BL \leq 300-3\sigma < X$	--	$BL \leq 250-3\sigma < X$

Note:

- BL= Below Limit
- OL= Over Limit
- X = Inconclusive
- NA=Not Applicable

2. The XRF screening test for RoHS elements - The reading may be different to the actual content in the sample(s) be of non-uniformity composition.

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3.The maximum permissible limit is quoted from the document 2011/65/EU and its amendment.

RoHS Restricted Substances	Maximum Concentration Value (mg/kg) (by weight in homogenous materials)
Cadmium (Cd)	100
Lead (Pb)	1000
Mercury (Hg)	1000
Hexavalent Chromium (Cr(VI))	1000
Polybrominated biphenyls (PBBs)	1000
Polybrominateddiphenylethers (PBDEs)	1000

Disclaimers

This XRF Screening report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes.

The result shown in this XRF screening report will differ based on various factors, including but not limited to, the sample(s) size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.

(2) Chromium VI (Cr⁶⁺)

Test Method: IEC 62321-7-1:2015

Test Instrument: UV-VIS Spectrophotometer

Test item(s)	MDL	RoHS Limit	Result(s)	
			24	30
Chromium VI (Cr ⁶⁺)	**	#	N.D.	N.D.

Note:

- mg/kg=milligram per kilogram
- N.D. =Not Detected (<MDL)
- MDL=Method Detection Limit
- **: MDL of Cr(VI) for metal sample is 0.10µg/cm².
- # :

	CrVI concentration	Conclusion
1	> 0.13 µg/cm ²	Positive
2	< 0.10 µg/cm ²	Negative
3	0.10 µg/cm ² ~ 0.13 µg/cm ²	Inconclusive

- unavoidable coating variations may influence the determination

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

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(3) PBBs&PBDEs

Test Method: IEC 62321-6: 2015

Test Instrument: Gas Chromatography-Mass Spectrometer(GC-MS)

Test item(s)	Unit	MDL	RoHS Limit	Result(s)				
				37	40	42	45	46
Monobromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Dibromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Tribromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Hexabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Octabromobiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Nonabromodiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Decabromodiphenyl	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Sum of PBBs	mg/kg	/	1000	N.D.	N.D.	N.D.	N.D.	N.D.
Monobromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Dibromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Tribromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Tetrabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Pentabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Hexabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Heptabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Octabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Nonabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Decabromodiphenyl ether	mg/kg	10	/	N.D.	N.D.	N.D.	N.D.	N.D.
Sum of PBDEs	mg/kg	/	1000	N.D.	N.D.	N.D.	N.D.	N.D.

Note:

- mg/kg=milligram per kilogram
- N.D. =Not Detected (<MDL)
- MDL=Method Detection Limit

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(4) Dibutyl Phthalate(DBP), Benzylbutyl Phthalate(BBP), Bis-(2-ethylhexyl) Phthalate(DEHP) and Diisobutyl Phthalate(DIBP)

Test Method: IEC 62321-8: 2017

Test Instrument: Gas Chromatography-Mass Spectrometer(GC-MS)

Test item(s)	Unit	MDL	RoHS Limit	Result(s)						
				1	2	3	4	5	6	7
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	RoHS Limit	Result(s)						
				8	9	11	13	14	15	16
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	RoHS Limit	Result(s)						
				17	18	20	25	26	27	28
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	RoHS Limit	Result(s)						
				29	31	32	33	34	35	36
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

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Test item(s)	Unit	MDL	RoHS Limit	Result(s)						
				37	38	40	42	43	45	46
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	RoHS Limit	Result(s)						
				47	48	49	50	51	52	53
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	RoHS Limit	Result(s)						
				54	55	56	57	58	60	61
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	RoHS Limit	Result(s)						
				62	64	68	69	73	74	75
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

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Test item(s)	Unit	MDL	RoHS Limit	Result(s)						
				76	77	79	80	81	82	84
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	RoHS Limit	Result(s)						
				88	91	92	94	97	98	101
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	RoHS Limit	Result(s)						
				102	104	105	106	109	110	111
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	265	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	274	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Test item(s)	Unit	MDL	RoHS Limit	Result(s)						
				112	113	114	116	117	120	121
Dibutyl Phthalate (DBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl)Phthalate (DEHP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Diisobutyl Phthalate (DIBP)	mg/kg	50	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Note:

- mg/kg=milligram per kilogram
- N.D. =Not Detected (<MDL)
- MDL=Method Detection Limit

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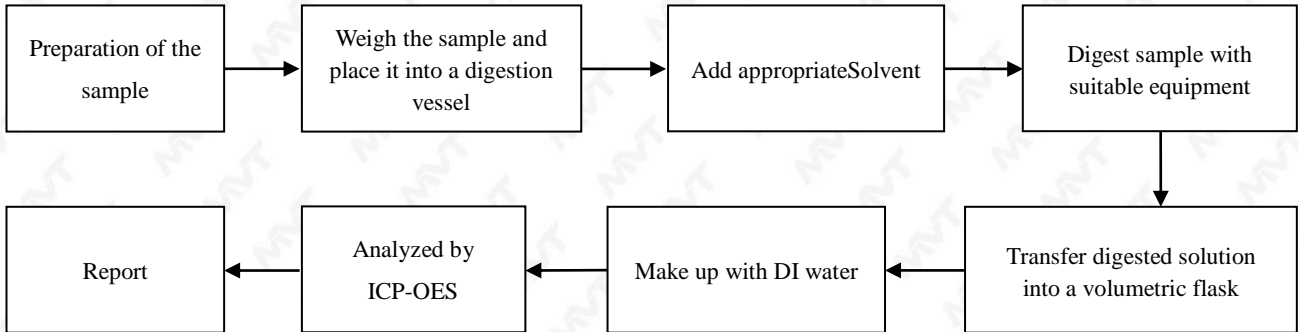
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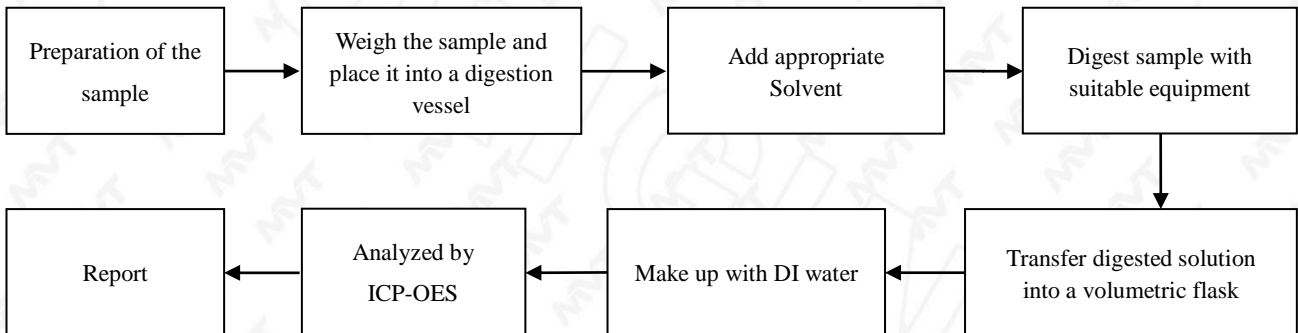
Test Report

Appendix

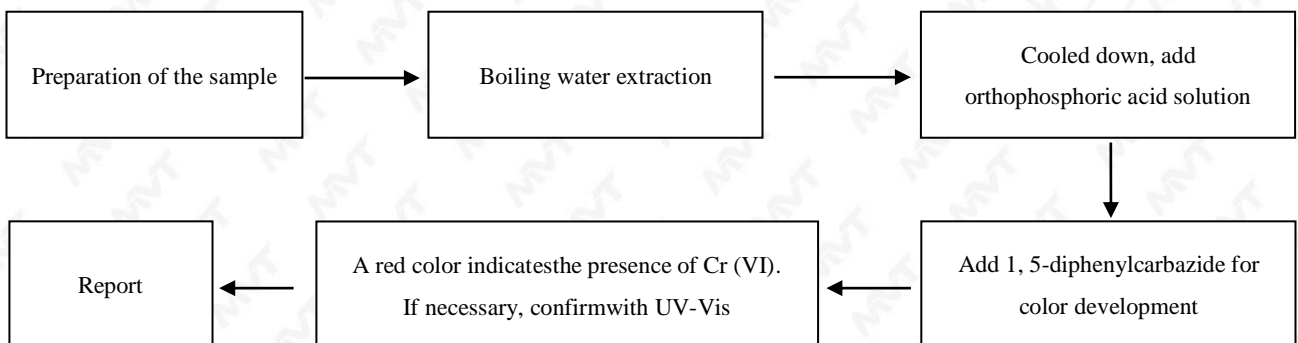
1. Test flowchart for Pb / Cd content:



2. Test flowchart for Hg content:



3. Test flowchart for Cr⁶⁺ content in metallic material:



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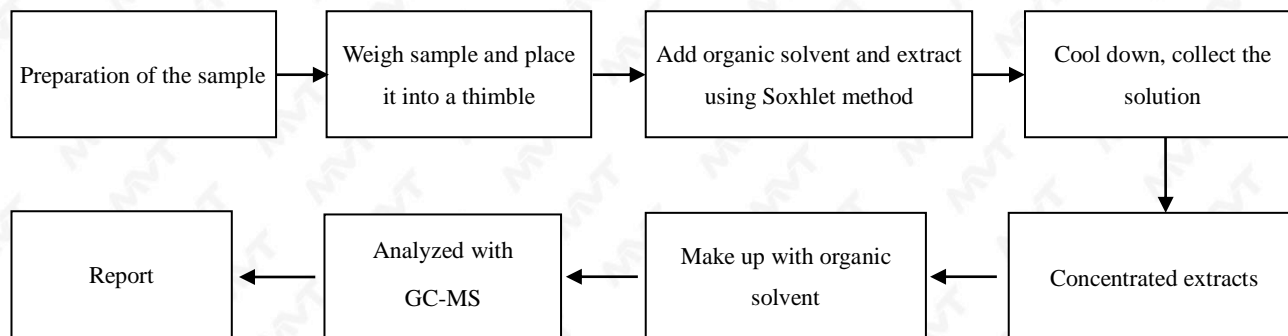
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4. Test flowchart for PBBs & PBDEs /Phthalates content:



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