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Applicant: BB CONTROLS LIMITED

Applicant address: Room 101, building 4-4, number 18, JINGXING Street, NanShao, Changping District,

Beijing, China

The following samples were submitted and identified on behalf of the clients as

Sample Name: MCH3 Model: MCH3

CPST Internal Reference No.: C201014016

Sample Received Date: Oct 16, 2020

Sample Quantity: 02 pcs

Test Period: Oct 16, 2020 to Nov 26, 2020
Test Method: Please refer to next page(s).
Test Result: Please refer to next page(s).

Signed for and on behalf of Eurones (Dongguan) Consumer Products Testing Service Co., Ltd

WRITTEN BY:

REVIEWED BY:

APPROVED BY:

Chen Zhi Qing, Iris Report writer Liu Xiao Fang, Sunshine Report Reviewer

Pan Jian Ding, Will Technical Supervisor



Test Report No. C201014016001 Date: Nov 26, 2020 Page 2 of 35 **CONCLUSION: TEST ITEM TESTED SAMPLES RESULT** 1. RoHS Directive 2011/65/EU Annex II amending Annex (EU)2015/863 and amending Annex (EU)2017/2102 Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs **PASS** MCH3 and PBDEs Content —Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), **PASS** Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content





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2. Test Item Description And Photo List

Description	Photograph
Black plastic (shell)	
Silvery metal (plug)	2 3
Black plastic	
White glue	MEETS 612 M
Silvery metal	
Silvery metal (USB socket)	FOR SUPPLY SEE
	Black plastic (shell) Silvery metal (plug) Black plastic White glue Silvery metal





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Sample No.	Description	Photograph
007	Silvery metal (USB socket)	7
008	White plastic (USB socket)	8
009	Silvery metal with red plating	narig si
010	Black soft plastic	10 11 12
011	Silvery metal with black coating	
012	Silvery metal (pin)	•
013	Black soft plastic with white printing	13 17259.834
014	Silvery metal	14





Page 5 of 35 No. C201014016001 Date: Nov 26, 2020 **Photograph** Sample No. **Description** 015 Black soft plastic 016 Silvery foil 017 Grey foil 018 Yellow paper 019 Silvery metal (pin) Blue soft plastic 021 Transparent soft plastic with black printing Yellow soft plastic 022 Black magnet 023

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Transparent soft plastic (tube)



024



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Sample No.	Description	Photograph
025	Transparent soft plastic	25 26
026	Yellow soft plastic	
027	Coppery metal (coil)	27 28
028	Black plastic	
029	Silvery metal (pin)	29
030	Silvery solder	30
031	Gray body with color printing (ER)	31 34 35
032	Silvery metal (pin)	-, -, -, -, -, -, -, -, -, -, -, -, -, -
033	Black body with white printing (R1)	
034	Green body with color printing (L1)	
035	Blue body (CY)	32 33

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Sample No.	Description	Photograph
036	Brown body (chip capacitor)	36 38
037	Black body	
038	Black body (BD1)	39
039	Black body (D1)	
040	Black body (IC1)	
041	Green PCB	37 41 42
042	Silvery solder	
043	Black soft plastic	43
044	Silvery metal	44/
045	Golden metal	45 46
046	Black plastic	
047	Silvery solder	47
048	Black soft plastic (cable jacket)	48 49 50 51
049	Silvery foil	
050	Coppery metal	
051	Black soft plastic (wire jacket)	





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Sample No.	Description	Photograph
052	Green soft plastic (wire jacket)	52 53
053	White soft plastic (wire jacket)	
054	Red soft plastic (wire jacket)	
055	Coppery metal (core)	54 55
056	Black soft plastic	56
057	Silvery metal (USB plug)	57 58
058	Silvery solder (USB plug)	
059	Golden metal (USB plug)	59 60
060	White plastic (USB plug)	62
061	Black soft plastic (USB plug)	
062	Silvery solder (USB plug)	

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Test Report Page 9 of 35 No. C201014016001 Date: Nov 26, 2020 Sample No. Description **Photograph** White paper with black printing 063 White plastic 064 11111111 💩 11111111 Silvery metal (screw) 111111 111111 066 Silvery metal (screw) White plastic 067 Golden metal (nut) 068 069 White plastic (shell)





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Sample No.	Description	Photograph
070	Black plastic	70
071	Silvery metal	71
072	Silvery metal	
073	Silvery metal	73 74
074	Black plastic	
075	Green PCB	75 76
076	Silvery solder	





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Description	Photograph
Green PCB	77 78
Silvery solder	
White soft plastic with black printing	PRINCIPAL DE LA CONTRACTION DE
White textile	80
Black soft plastic (tube)	
Silvery metal (pin)	······ 82
Black body	83
Black plastic	## B4
	Green PCB Silvery solder White soft plastic with black printing White textile Black soft plastic (tube) Silvery metal (pin) Black body





Test Report No. C201014016001 Date: Nov 26, 2020 Page 12 of 35 Sample No. Description **Photograph** 085 Golden metal 086 Silvery metal 087 Silvery metal 088 White plastic 089 Black plastic 090 Black plastic 091 White plastic 092 Silvery metal 093 Silvery metal 095 White plastic with Silvery plating





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Sample No.	Description	Photograph
096	Silvery metal with black plating (screw)	96
097	White body (LED)	97
098	Black plastic	
099	Silvery metal	99





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Description	Photograph
Silvery metal	100 101
White paper tape with black printing	
Red body (diode)	102
Black soft plastic (tube)	
White body	105
Silvery metal	
Multicolored Glass	106
	Silvery metal White paper tape with black printing Red body (diode) Black soft plastic (tube) White body Silvery metal





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Sample No.	Description	Photograph
107	Multicolored Glass	107
108	Golden metal	108
109	Black body (U5)	110 112
110	Black body (L1)	
S 111	Brown body (chip capacitor)	
112	Black body (chip resistor)	109
113	Black body (U6)	/ 111 114
114	Silvery metal (pin)	W 115
115	Black body (U3)	115 116 117
116	Gray body	
117	Black body with white printing (R18)	
118	Black body (Q1)	11
119	Black body (U1)	1,5 E3(1) 0.5 W
120	Blue PCB	120 121
121	Silvery solder	
122	Yellow body (C2)	123 124
123	Brown body (chip capacitor)	
124	Black body (U1)	122
125	Black body with white printing (R1)	010 (64 (84 (84 (84 (84 (84 (84 (84 (84 (84 (8
126	Black body (L1)	126 127
127	Black body (D1)	120





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Sample No.	Description	Photograph
128	Black body with white printing	128 129
129	Green PCB	
130	Silvery solder	130
131	Black body (D2)	133 - 135
132	Black body (diode)	132
133	Brown body (chip capacitor)	
134	Black body (transistor)	
135	Yellow body (C3)	
136	Gray body (L3)	136 138
137	Black body	139
138	Black body with white printing (R25)	137 - 耳琴: 1
139	Black body	
140	Black body (IC)	
141	Silvery metal (pin)	141 144 6 E. R. 7 11 0
142	Black body (U9)	
143	Black body (IC)	
144	Black body (Y2)	143
145	Black body	





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Sample No.	Description	Photograph
146	White body (C32)	146 147 148
147	Silvery body (crystal)	
148	White body (LED)	
149	Green PCB	
150	Silvery solder	
151	White paper with black printing	151 LRO-TYCLORY - B.S.CYA.
152	Silvery metal	152
153	White plastic	153
154	White soft plastic	
155	Transparent soft plastic	
156	White soft plastic	
157	Color soft plastic	154 155 156 157
158	Silvery soft plastic	100 100 101
159	Gray soft plastic	159 160
160	Black glue	
161	Black glass	161





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Sample No.	Description	Photograph
162	Black soft plastic	162 163 164
163	White body (LED)	
164	Yellow FPC	
165	Silvery solder	165
166	Black body	166 168
167	Brown body (chip capacitor)	
168	Yellow FPC	W-SXTB-NHSCOIL-ONV
169	Silvery solder	167 169
171	Silvery metal	
172	Black soft plastic	171 172
173	White plastic (shell)	

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Sample No.	Description	Photograph
174	Black sponge with glue	174 175
175	White glue	
176	Transparent glass	176
177	Yellow soft plastic	
178	Black body	178
179	Brown body (chip capacitor)	18
180	Yellow FPC	
181	Silvery solder	180 179





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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

According to IEC 62321-3-1:2013, and Quantification analyzed with Energy Dispersive X-ray Fluorescence Spectrometers.

Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 001	BL	BL	BL	BL	Inconclusive^
Sample 002	BL O	BL	BL	BL	N.A.
Sample 003	BL	BL S	BL	BL	BL
Sample 004	BL	BL	S BL	BL	BL
Sample 005	BL	BL	BL	BL	N.A.
Sample 006	BL	BL	BL	BL	N.A.
Sample 007	BL	BL	BL	BL	N.A.
Sample 008	BL	BL	BL	BL	BL
Sample 009	BL	BL	BL	BL	N.A.
Sample 010	BL	SBL C	BL	9 BL O	BL
Sample 011	BL	BL	BL	BL	N.A.
Sample 012	BL	BL	BL	BL	N.A.
Sample 013	BL	BL 6	BL	BL	BL
Sample 014	BL	BL	BL	BL	N.A.
Sample 015	BL O	BL	BL	BL S	BL
Sample 016	BL	BL	BL	BL	9 BL C
Sample 017	BL	BL	BL	BL	BL
Sample 018	BL	BL	BL	BL	BL
Sample 019	BL	BL	BL S	BL	N.A.
Sample 020	S BL	BL	BL	BL	BL
Sample 021	BL	O BL O	BL	BL	BL C
Sample 022	BL	BL	BL	BL	BL
Sample 023	BLS	BL	BL	BL	BL
Sample 024	BL	BL	BL	BL	BL
Sample 025	BL	BL	BL	BL	BL
Sample 026	BL	BL C	BL	BLO	BL





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Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 027	9 BL	BL	BL	BL R	N.A.
Sample 028	BL	BL BL	BL	BL	9 BL C
Sample 029	BL	BL	BL	BL	N.A.
Sample 030	BL	BL	BL	BL	N.A.
Sample 031	BL	BL	BL	BL	BL
Sample 032	BL BL	BL	BL	BL	N.A.
Sample 033	BL	BL O	BL	BL	BL
Sample 034	BL	BL	BL	BL	BL
Sample 035	BL	BL	BL	BL	BL
Sample 036	BL	BL	BL	BL	BL
Sample 037	BL	BL	BL	BL S	BL
Sample 038	BL	G BL	BL	BL	BL
Sample 039	SBL C	BL	9 BL	BL	BL
Sample 040	G BL	BL	BL	BL	BL
Sample 041	BL	BL	BL	BL	Inconclusive^
Sample 042	BL S	BL	BL	BL	N.A.
Sample 043	BL	BL	BL	BL	BL
Sample 044	BL	BL	S BL	BL	N.A.
Sample 045	BL	BL	BL	BL O	N.A.
Sample 046	BL	BL	BL	BL	BL
Sample 047	BL	OL^	BL	BL	N.A.
Sample 048	BL	BL	BL	BL	BL
Sample 049	BL	BL	BL	BL	BL
Sample 050	BL O	BL	BL	BL C	N.A.
Sample 051	BL	BL	BL	BL	BL C
Sample 052	BL	BL	BL	BL	BL
Sample 053	BL	BL	BL	BLS	BL
Sample 054	BL	BL	BL 9	BL	BLO
Sample 055	S BL	BL	BL	BL	N.A.
Sample 056	BL	BL O	BL	BL	9 BL
Sample 057	BL	BL	BL	BL	N.A.
Sample 058	BLS	BL	BL	O BL	N.A.
Sample 059	BL	BL	BL	BL	N.A.
Sample 060	BL	BL	BL	BL 9	BL
Sample 061	BL	S BL	BL	BLO	BL





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Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 062	BL C	BL	BLO	BL S	N.A.
Sample 063	BL	BL	BL	BL	9 BL C
Sample 064	BL	BL	BL	BL	BL
Sample 065	BL	BL	BL	BL	N.A.
Sample 066	BL	BL	BL	BL	N.A.
Sample 067	BL S	BL	BL	BL	BL
Sample 068	BL	OL^	BL	BL	N.A.
Sample 069	BL	BL	BL	BL	BL
Sample 070	BL	BL	BL	BL	BL
Sample 071	BL	BL	BL	BL	N.A.
Sample 072	BL	BL	BL	BL S	N.A.
Sample 073	BL	G BL	BL	BL	N.A.
Sample 074	SBL C	BL	9 BL	BL	BL
Sample 075	BL	BL	BL	BL	Inconclusive^
Sample 076	BL	OL^	BL	BL	N.A.
Sample 077	BL S	BL	BL	BL	Inconclusive^
Sample 078	BL	OL^	BL	BL	N.A.
Sample 079	BL	BL	S BL	BL	BLO
Sample 080	BL	BL	BL	BL O	BL
Sample 081	BL	BL	BL	BL	BL
Sample 082	BL	BL	BL	BL	N.A.
Sample 083	BL	BL 9	BL	BL	BL
Sample 084	BL	BL	BL	BL	BL
Sample 085	BL O	BL	BL	S BL	N.A.
Sample 086	BL	BL	BL	BL	N.A.
Sample 087	BL	BL	BL	BL	N.A.
Sample 088	BL	BL	BL	BLS	BL
Sample 089	BL	BL	BL 9	BL	BL
Sample 090	S BL	BL	BLO	BL	BL
Sample 091	BL	BL O	BL	BL	S BL
Sample 092	BL	BL	BL	SBL (N.A.
Sample 093	BL	BL	BL	BL	N.A.
Sample 095	BL	BL	BL	BL	BLS
Sample 096	BL	BL	BL	BL S	N.A.
Sample 097	BL	S BL	BL	BLO	BL





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Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 098	9 BL O	BL	BLO	BL S	BL
Sample 099	BL	BL	BL	BL	9 N.A.
Sample 100	BL	BL	BL	BL	N.A.
Sample 101	BL	BL	BL	BL	BL
Sample 102	BL	OL^	BL	BL	BL 9
Sample 103	S BL	BL	BL	BL	BL
Sample 104	BL	BL O	BL	BL	BL S
Sample 105	BL	BL	BL	BL	N.A.
Sample 106	BL	BL	BL	BL	BL
Sample 107	BL	BL	BL	BL	BL
Sample 108	BL	BL	BL	BL S	N.A.
Sample 109	BL	G BL	BL	BL	BL
Sample 110	SBL C	BL	9 BL	BL	BL
Sample 111	BL	BL	BL	BL	BL
Sample 112	BL	BL	BL	BL	BL
Sample 113	BL S	BL	BL	BL	BL
Sample 114	BL	BL	BL	BL	N.A.
Sample 115	BL	BL	S BL	BL	BLC
Sample 116	BL	BL	BL	O BL O	BL
Sample 117	BL	BL	BL	BL	BL
Sample 118	BL	BL	BL	BL	BL
Sample 119	BL	BL 9	BL	BL	BL
Sample 120	BL	BL	BL	BL	Inconclusive^
Sample 121	BL O	BL	BL	S BL	N.A.
Sample 122	BL	BL	BL	BL	BL
Sample 123	BL	BL	BL	BL	BL
Sample 124	BL	BL	BL	BLS	BL
Sample 125	BL	BL	BL 9	BL	BL
Sample 126	S BL	BL	BLO	BL	BL
Sample 127	BL	BL O	BL	BL	S BL
Sample 128	BL	BL	BL	BL	BL
Sample 129	BL	BL	BL	BL	Inconclusive^
Sample 130	BL	BL	BL	BL	N.A.
Sample 131	BL S	BL	BL	BL	BL
Sample 132	BL	S BL	BL	BLO	BL





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Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 133	9 BL O	BL	BLO	BL S	BL
Sample 134	BL	BL	BL	BL	9 BL
Sample 135	BL	BL	BL	BL	BL
Sample 136	BL	BL	BL	BL	BL
Sample 137	BL	BL	BL	BL	BL
Sample 138	BL S	BL	BL	BL	BL
Sample 139	BL	BL O	BL	BL	BL
Sample 140	BL	BL	BL	BL	BL
Sample 141	BL	BL	BL	BL	N.A.
Sample 142	BL	BL	BL	BL	BL
Sample 143	BL	BL	BL	BL S	BL
Sample 144	BL	G BL	BL	BL	BL
Sample 145	SBL C	BL	9 BL O	BL	BL
Sample 146	G BL	BL	BL	BL	BL
Sample 147	BL	BL	BL	BL	BL
Sample 148	BL S	BL	BL	BL	BL
Sample 149	BL	BL	BL	BL	Inconclusive^
Sample 150	BL	BL	G BL	BL	N.A.
Sample 151	BL	BL	BL	BL O	BL
Sample 152	BL	BL	BL	BL	N.A.
Sample 153	BL	BL	BL	BL	BL
Sample 154	BL	BL	BL	BL	BL
Sample 155	BL	BL	BL	BL	BL
Sample 156	BL O	BL	BL	BL C	BL
Sample 157	BL	BL	BL	BL	BL C
Sample 158	BL	BL	BL	BL	BL
Sample 159	BL	BL	BL	BL	BL
Sample 160	BL	BL	BL 9	BL	BL
Sample 161	S BL	BL	BLO	BL	BL
Sample 162	BL	BL O	BL	BL	S BL
Sample 163	BL	BL	BL	BL	BL
Sample 164	BL	BL	BL	BL	BL
Sample 165	BL	BL	BL	BL	N.A.
Sample 166	BL S	BL	BL	BL	BL
Sample 167	BL	S BL	BL	BLO	BL





No. C201014016001 Date: Nov 26, 2020 Page 25 of 35 Total **Total** Total Total **Total** Sample No. Cadmium Mercury Chromium **Bromine** Lead Sample 168 BL BL BL BL BL Sample 169 BL BL BL BL N.A. Sample 171 BLBL BL BL N.A. BL BL BL BL BL Sample 172 BL Sample 173 BL BL BL BL BL BL BL BL BL Sample 174 Sample 175 BLBL BL ΒL BL BL BL BL ΒL Sample 176 BL Sample 177 BL BL BL BL BL Sample 178 BL BL BL BL BL BL Sample 179 BL BL BL BL Sample 180 BL BL BL BL BL

Note:

1. All Concentrations express in "mg/kg" (milligram per kilogram), mg/kg ~ ppm

BL

2. "OL" denotes "over limit"

Sample 181

- 3. "BL" denotes "below limit"
- 4. "N.A." denotes "Not Applicable"
- 5. "Inconclusive" denotes result is intermediate between "OL" and "BL"

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.

BL

BL

N.A.

7. The customer declares that sample 094 and sample 170 are cancelled and will not be tested7. XRF screening limits for different materials:

Materials	Concentration (mg/kg)					
Materiais	Cd	Cr	Pb	Hg	Br	
Metal	BL≤(70-3σ) <x< (130+3σ)≤OL</x< 	BL≤(700-3σ) <x< th=""><th>BL≤(700-3σ)<x< (1300+3σ)≤OL</x< </th><th>BL≤(700-3σ)<x< (1300+3σ)≤OL</x< </th><th>N.A.</th></x<>	BL≤(700-3σ) <x< (1300+3σ)≤OL</x< 	BL≤(700-3σ) <x< (1300+3σ)≤OL</x< 	N.A.	
Polymers	BL≤(70-3σ) <x< (130+3σ)≤OL</x< 	BL≤(700-3σ) <x< td=""><td>BL≤(700-3σ)<x< (1300+3σ)≤OL</x< </td><td>BL≤(700-3σ)<x< (1300+3σ)≤OL</x< </td><td>BL≤(300-3σ)< X</td></x<>	BL≤(700-3σ) <x< (1300+3σ)≤OL</x< 	BL≤(700-3σ) <x< (1300+3σ)≤OL</x< 	BL≤(300-3σ)< X	
Composite material	BL≤(50-3σ) <x< (150+3σ)≤OL</x< 	BL≤(500-3σ) <x< th=""><th>BL≤(500-3σ)<x< (1500+3σ)≤OL</x< </th><th>BL≤(500-3σ)<x< (1500+3σ)≤OL</x< </th><th>BL≤(250-3σ)< X</th></x<>	BL≤(500-3σ) <x< (1500+3σ)≤OL</x< 	BL≤(500-3σ) <x< (1500+3σ)≤OL</x< 	BL≤(250-3σ)< X	





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3. 2 Test for Heavy Metals

Lead, Cadmium, Hexavalent Chromium and Mercury Tests according to IEC 62321-4:2013+A1:2017
 &IEC 62321-5:2013 & IEC 62321-7-1:2015& IEC 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/cm²]	Hexavalent Chromium [mg/kg]
Detection Limit	5	5	5	0.10	5
Limit	100	1000	1000	0.10	1000
Sample 047*	1.0	N.D.	510	K	291
Sample 068	× 1	24149Ф	1<	09	0 1
Sample 076*	691 C	N.D.	OP	0 16	-9
Sample 078*	1	N.D.	016	R	× 1 59
Sample 102	-21	94847Ф	1	X 1 09	10

Note

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

Negative = Absence of Cr(VI) coating / surface layer: the detected concentration in boiling-water-extraction solution is less than 0.10µg with 1cm² sample surface area.

Positive = Presence of Cr(VI) coating / surface layer: the detected concentration in

boiling-water-extraction solution is greater than 0.13µg with 1cm² sample surface area.

Inconclusive =the detected concentration in boiling-water-extraction solution is greater than 0.10µg and less than 0.13µg with 1cm² sample surface area.

- 4. Positive = result be regarded as not comply with RoHS requirement Negative = result be regarded as comply with RoHS requirement
- 5. "-" =Not regulated
- 6."Φ"=Sample 102 is electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors,The lead content which is exempted from the requirement of directive 2011/65/EU(RoHS)Annex III 7(c)- I

" Φ "=the sample 068 are Coppery alloy.The lead content which is under 4% is exempted from the requirement of directive 2011/65/EU(RoHS)Annex III 6(c).

7. "*" = The sample(s) were resubmitted by client dated on Nov 24, 2020





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3. 3 Test for Flame retardants

 Test Method: With reference to IEC 62321-6:2015, extracted by toluene and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting Limit: 5mg/kg]

		Result [mg/kg]	RoHS
	Test Item	Sample 001	Requirement [mg/kg]
99	Monobromobiphenyl	< 5	' 05' CY
	Dibromobiphenyl	< 5	0 2 2
	Tribromobiphenyl	< 5	. 32
	Tetrabromobiphenyl	< 5	4 85
	Pentabromobiphenyl	0 < 5	0(PPP.
PBBs	Hexabromobiphenyl	< 5	Sum of PBBs < 1000
	Heptabromobiphenyl	< 5	
	Octabromobiphenyl	< 5	CR J AN
	Nonabromobiphenyl	< 5	5 89
	Decabromobiphenyl	< 5	7 7 75
	Sum of PBBs	S < 5	20°5, CX
09	Monobromodiphenyl Ether	< 5	0° 25° 68°
	Dibromodiphenyl Ether	< 5	CY X
	Tribromodiphenyl Ether	< 5	7 68° X
	Tetrabromodiphenyl Ether	< 5	1 05
	Pentabromodiphenyl Ether	9 (<5	0(100005
PBDEs	Hexabromodiphenyl Ether	< 5	Sum of PBDEs < 1000
	Heptabromodiphenyl Ether	< 5	1000
	Octabromodiphenyl Ether	< 5	CR3 X
	Nonabromodiphenyl Ether	< 5	(, 05)
	Decabromodiphenyl Ether	0<5	87 C 25
	Sum of PBDEs	< 5	

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		, , , ,	Result [mg/kg]	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	RoHS
	Test Item	Sample 041	Sample 075	Sample 077	Requirement [mg/kg]
O,	Monobromobiphenyl	< 5	< 5	< 5	× 4
\	Dibromobiphenyl	< 5	< 5	< 5	
5	Tribromobiphenyl	< 5	< 5	< 5	
?]	Tetrabromobiphenyl	< 5	< 5	< 5	()
00	Pentabromobiphenyl	< 5	< 5	< 5	6 (555
PBBs	Hexabromobiphenyl	< 5	< 5	< 5	Sum of PBBs < 1000
	Heptabromobiphenyl	< 5	< 5	< 5	1000
~	Octabromobiphenyl	< 5	< 5	< 5	69,
1	Nonabromobiphenyl	< 5	< 5	< 5	, O, o
200	Decabromobiphenyl	< 5	< 5	< 5	6) CX
0,	Sum of PBBs	< 5	< 5	< 5	6
0	Monobromodiphenyl Ether	< 5	< 5	< 5	03 -
5	Dibromodiphenyl Ether	< 5	< 5	< 5	285
_<	Tribromodiphenyl Ether	< 5	< 5	< 5	x 0' 25
-62,	Tetrabromodiphenyl Ether	< 5	S <5	< 5	9, CX
٥,	Pentabromodiphenyl Ether	9<5 C	< 5	< 5	65
PBDEs	Hexabromodiphenyl Ether	< 5	< 5	< 5	Sum of PBDEs
	Heptabromodiphenyl Ether	< 5	< 5	< 5	1000
	Octabromodiphenyl Ether	< 5	< 5	< 5	(05)
50	Nonabromodiphenyl Ether	< 5	< 5	< 5	b,
0	Decabromodiphenyl Ether	< 5	< 5	< 5	20 CS
O_X	Sum of PBDEs	< 5	< 5	< 5	X





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	-65 O, C	Result [mg/kg]		· CR	RoHS
	Test Item	Sample 120	Sample 129	Sample 149	Requirement [mg/kg]
. R	Monobromobiphenyl	< 5	< 5	< 5	Sum of PBBs < 1000
	Dibromobiphenyl	< 5	< 5	< 5	
	Tribromobiphenyl	< 5	< 5	< 5	
	Tetrabromobiphenyl	< 5	< 5	< 5	
? ,	Pentabromobiphenyl	< 5	< 5	< 5	
PBBs	Hexabromobiphenyl	< 5	S < 5	< 5	
0,	Heptabromobiphenyl	< 5	< 5	< 5	
C	Octabromobiphenyl	< 5	< 5	< 5	
5	Nonabromobiphenyl	< 5	< 5	< 5	
205	Decabromobiphenyl	< 5	< 5	< 5	
	Sum of PBBs	< 5	S < 5	< 5	
0)	Monobromodiphenyl Ether	< 5	< 5	< 5	Sum of PBDEs
. 0	Dibromodiphenyl Ether	< 5	< 5	< 5	
PBDEs	Tribromodiphenyl Ether	< 5	< 5	< 5	
	Tetrabromodiphenyl Ether	< 5	< 5	< 5	
	Pentabromodiphenyl Ether	< 5	9 < 5 ()	< 5	
	Hexabromodiphenyl Ether	< 5	< 5	< 5	
	Heptabromodiphenyl Ether	< 5	< 5	< 5	
	Octabromodiphenyl Ether	< 5	< 5	< 5	
	Nonabromodiphenyl Ether	< 5	< 5	< 5	
	Decabromodiphenyl Ether	< 5	< 5	< 5) (N
	Sum of PBDEs	< 5	< 5	< 5	15 CR

Note:

- 1. All Concentrations express in "mg/kg" (milligram per kilogram), mg/kg ~ ppm.
- 2. "<" denotes less than





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3.4 Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP) Content—RoHS Directive 2011/65/EU Annex II amending Annex (EU)2017/2102

Test method: With reference to IEC 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 003	N.D.	N.D.	N.D.	N.D.
Sample 004	N.D.	N.D.	N.D.	N.D.
Sample 008	N.D.	N.D.	N.D.	N.D.
Sample 010	N.D.	N.D.	N.D.	N.D.
Sample 013	N.D.	N.D.	N.D.	N.D.
Sample 015	N.D.	N.D.	N.D.	N.D.
Sample 016	N.D.	N.D.	N.D.	N.D.
Sample 017	N.D.	N.D.	N.D.	N.D.
Sample 018	N.D.	N.D.	N.D.	N.D.
Sample 020	N.D.	N.D.	N.D.	N.D.
Sample 021	N.D.	N.D.	N.D.	N.D.
Sample 022	N.D.	N.D.	N.D.	N.D.
Sample 023	N.D.	N.D.	N.D.	N.D.
Sample 024	N.D.	N.D.	N.D.	N.D.
Sample 025	N.D.	N.D.	N.D.	N.D.
Sample 026	N.D.	N.D.	N.D.	N.D.
Sample 028	N.D.	N.D.	N.D.	N.D.
Sample 031	N.D.	N.D.	N.D.	N.D.
Sample 033	N.D.	N.D.	N.D.	N.D.
Sample 034	N.D.	N.D.	N.D.	N.D.
Sample 035	N.D.	N.D.	N.D.	N.D.
Sample 036	N.D.	N.D.	S N.D.	N.D.
Sample 037	N.D.	N.D.	N.D.	N.D.
Sample 038	N.D.	N.D.	N.D.	N.D.
Sample 039	N.D.	N.D.	N.D.	N.D.
Sample 040	N.D.	N.D.	N.D.	N.D.
Sample 041	N.D.	N.D.	N.D.	N.D.
Sample 043	210	N.D.	N.D.	N.D.





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Element	Di-(2-ethylhexyl) phthalate (DEHP) [mg/kg] 50	Benzylbutyl phthalate (BBP) [mg/kg] 50	Dibutyl phthalate (DBP) [mg/kg] 50	Diisobutyl phthalate(DIBP) [mg/kg] 50
Detection Limit				
Limit	1000	1000	1000	1000
Sample 046	N.D.	N.D.	N.D.	N.D.
Sample 048	N.D.	N.D.	N.D.	N.D.
Sample 049	N.D.	N.D.	N.D.	N.D.
Sample 051	N.D.	N.D.	S N.D.	N.D.
Sample 052	N.D.	N.D.	N.D.	N.D.
Sample 053	N.D.	N.D.	N.D.	N.D.
Sample 054	N.D.	N.D.	N.D.	N.D.
Sample 056	270	N.D.	N.D.	N.D.
Sample 060	N.D.	9 N.D.	N.D.	N.D.
Sample 061	290	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 067	N.D.	N.D.	N.D.	N.D.
Sample 069	N.D.	N.D.	N.D.	N.D.
Sample 070	N.D.	N.D.	N.D.	N.D.
Sample 074	N.D.	N.D.	N.D.	N.D.
Sample 075	N.D.	N.D.	N.D.	N.D.
Sample 077	N.D.	N.D.	N.D.	N.D.
Sample 079	N.D.	N.D.	N.D.	N.D.
Sample 080	N.D.	N.D.	N.D.	N.D.
Sample 081	N.D.	N.D.	N.D.	N.D.
Sample 083	N.D.	N.D.	N.D.	N.D.
Sample 084	N.D.	N.D.	N.D.	N.D.
Sample 088	N.D.	N.D.	N.D.	N.D.
Sample 089	N.D.	N.D.	N.D.	N.D.
Sample 090	N.D.	N.D.	N.D.	N.D.
Sample 091	N.D.	N.D.	N.D.	N.D.
Sample 095	N.D.	N.D.	N.D.	N.D.
Sample 097	N.D.	N.D.	N.D.	N.D.
Sample 098	N.D.	N.D.	N.D.	N.D.
Sample 101	N.D.	N.D.	N.D.	N.D.
Sample 102	N.D.	N.D.	N.D.	N.D.
Sample 103	N.D.	N.D.	N.D.	N.D.





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Element	Di-(2-ethylhexyl) phthalate (DEHP) [mg/kg] 50	Benzylbutyl phthalate (BBP) [mg/kg] 50	Dibutyl phthalate (DBP) [mg/kg] 50	Diisobutyl phthalate(DIBP) [mg/kg] 50
Detection Limit				
Limit	1000	1000	1000	1000
Sample 104	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 109	N.D.	N.D.	N.D.	N.D.
Sample 110	N.D.	N.D.	N.D.	N.D.
Sample 111	N.D.	N.D.	N.D.	N.D.
Sample 112	N.D.	N.D.	N.D.	N.D.
Sample 113	N.D.	N.D.	N.D.	N.D.
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 120	N.D.	N.D.	N.D.	N.D.
Sample 122	N.D.	N.D.	N.D.	N.D.
Sample 123	N.D.	N.D.	N.D.	N.D.
Sample 124	N.D.	N.D.	N.D.	S N.D.
Sample 125	N.D.	N.D.	N.D.	N.D.
Sample 126	N.D.	N.D.	N.D.	N.D.
Sample 127	N.D.	N.D.	N.D.	N.D.
Sample 128	N.D.	N.D.	N.D.	N.D.
Sample 129	N.D.	N.D.	S N.D.	N.D.
Sample 131	N.D.	N.D.	N.D.	N.D.
Sample 132	N.D.	N.D.	N.D.	N.D.
Sample 133	N.D.	N.D.	N.D.	N.D.
Sample 134	N.D.	N.D.	N.D.	N.D.
Sample 135	N.D.	N.D.	N.D.	N.D.
Sample 136	N.D.	N.D.	N.D.	N.D.
Sample 137	N.D.	N.D.	N.D.	N.D.
Sample 138	N.D.	N.D.	N.D.	N.D.
Sample 139	N.D.	N.D.	N.D.	N.D.
Sample 140	N.D.	N.D.	N.D.	N.D.
Sample 142	N.D.	N.D.	N.D.	N.D.





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Element	Di-(2-ethylhexyl) phthalate (DEHP) [mg/kg] 50	Benzylbutyl phthalate (BBP) [mg/kg] 50	Dibutyl phthalate (DBP) [mg/kg] 50	Diisobutyl phthalate(DIBP) [mg/kg] 50
Detection Limit				
Limit	1000	1000	1000	1000
Sample 143	N.D.	N.D.	N.D.	N.D.
Sample 144	N.D.	N.D.	N.D.	N.D.
Sample 145	N.D.	N.D.	N.D.	N.D.
Sample 146	N.D.	N.D.	N.D.	N.D.
Sample 147	N.D.	N.D.	N.D.	N.D.
Sample 148	N.D.	N.D.	N.D.	N.D.
Sample 149	N.D.	N.D.	N.D.	N.D.
Sample 151	N.D.	N.D.	N.D.	N.D.
Sample 153	N.D.	N.D.	N.D.	N.D.
Sample 154	N.D.	N.D.	N.D.	N.D.
Sample 155	N.D.	N.D.	N.D.	N.D.
Sample 156	N.D.	N.D.	N.D.	N.D.
Sample 157	N.D.	N.D.	N.D.	N.D.
Sample 158	N.D.	N.D.	N.D.	N.D.
Sample 159	N.D.	N.D.	N.D.	N.D.
Sample 160	N.D.	N.D.	N.D.	N.D.
Sample 161	N.D.	N.D.	N.D.	N.D.
Sample 162	N.D.	N.D.	N.D.	N.D.
Sample 163	N.D.	N.D.	N.D.	N.D.
Sample 164	N.D.	N.D.	N.D.	N.D.
Sample 166	N.D.	N.D.	N.D.	N.D.
Sample 167	N.D.	N.D.	N.D.	N.D.
Sample 168	N.D.	N.D.	N.D.	N.D.
Sample 172	N.D.	N.D.	N.D.	N.D.
Sample 173	N.D.	N.D.	N.D.	N.D.
Sample 174	N.D.	N.D.	N.D.	N.D.
Sample 175	N.D.	N.D.	N.D.	N.D.
Sample 176	N.D.	N.D.	N.D.	N.D.
Sample 177	N.D.	N.D.	N.D.	N.D.
Sample 178	N.D.	N.D.	N.D.	N.D.
Sample 179	N.D.	N.D.	N.D.	N.D.
Sample 180	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".



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Photo of the Submitted Sample

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End of Report **

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Eurones (Dongguan) Consumer Products Testing Service Co., Ltd. Tel: (86-769) 38937858

Fax: (86-769) 38937859

Http://www.cpstlab.com

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