

CPST

Test Report

No. C220929081001-1

Date: Oct 28, 2022

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Applicant: DOKE COMMUNICATION (HK) LIMITED

Applicant address: RM 1902 EASEY COMM BLDG 253-261 HENNESSY ROAD WANCHAI HK CHINA

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

Sample Name: Tablet
Model: Tab 5
Model/Type reference: Tab 5 Kids
Trademark: Blackview
Manufacturer: Shenzhen DOKE Electronic Co., Ltd.
Manufacturer Address: 801, Building3, 7th Industrial Zone, Yulv Community, Yutang Road, Guangming District, Shenzhen, China.
CPST Internal Reference No.: C220929081
Sample Received Date: Sep 29, 2022
Test Period: Sep 29, 2022 to Oct 28, 2022
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

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CONCLUSION :

<u>TESTED SAMPLES</u>	<u>TEST ITEM</u>	<u>RESULT</u>
Tablet	1.RoHS Directive 2011/65/EU Annex II amending Annex (EU)2015/863	
	— Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs Content	PASS
	—Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content	PASS

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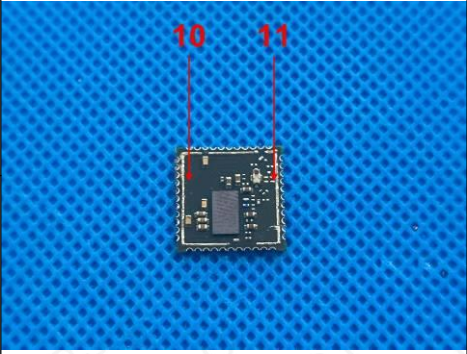
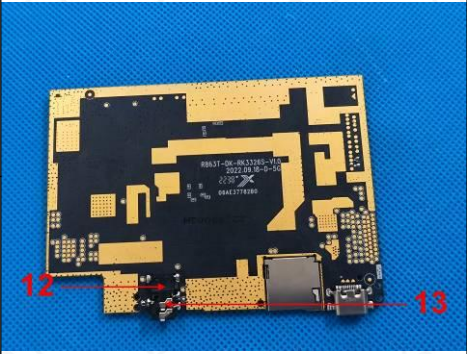
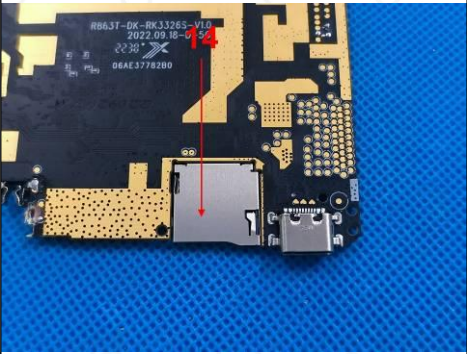
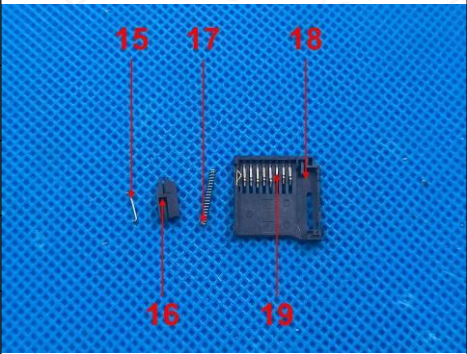
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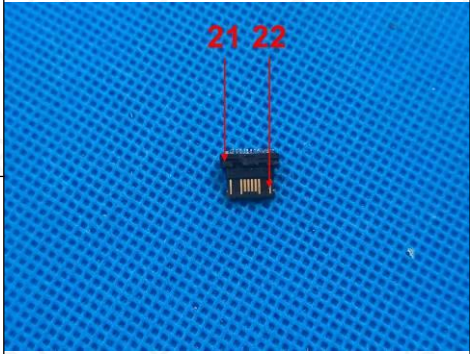
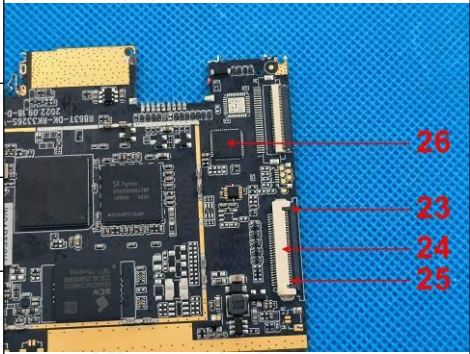
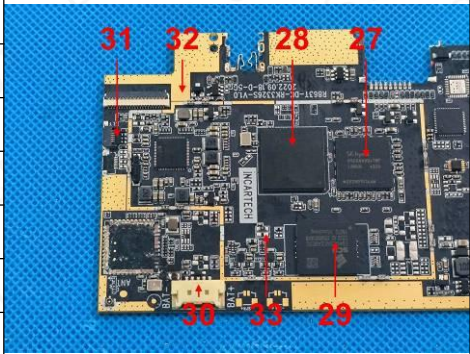
2. Test Item Description And Photo List

Sample No.	Description	Photograph
001	Silvery plastic	
002	Transparent plastic with black plating	
003	Translucent plastic	
004	Grey plastic	
005	Silvery metal (screw)	
006	White paper with black printing	
007	Silvery metal	
008	Blue silicone	
009	Silvery metal	


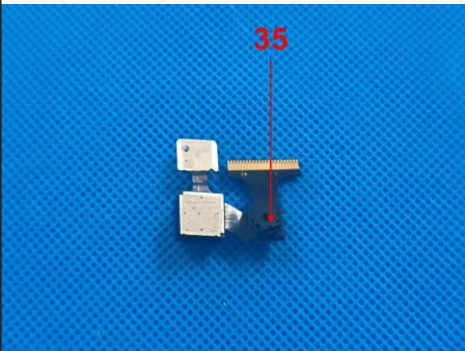
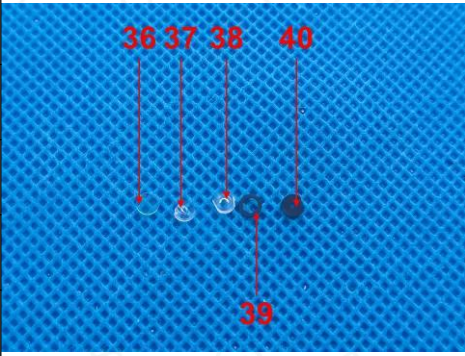
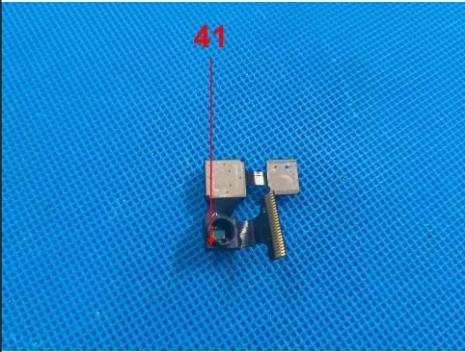
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Sample No.	Description	Photograph
010	Green PCB	
011	Silvery solder	
012	Black plastic	
013	Silvery metal	
014	Silvery metal	
015	Silvery metal	
016	Grey plastic	
017	Silvery metal (spring)	
018	Grey plastic	
019	Silvery metal	

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Sample No.	Description	Photograph
020	Silvery metal (Type-C jack)	
021	Black plastic	
022	Golden metal	
023	Grey plastic	
024	Beige plastic	
025	Silvery metal	
026	Black body	
027	Black body	
028	Black body	
029	Black body	
030	Beige plastic	
031	Black plastic	
032	Black PCB	
033	Silvery solder	

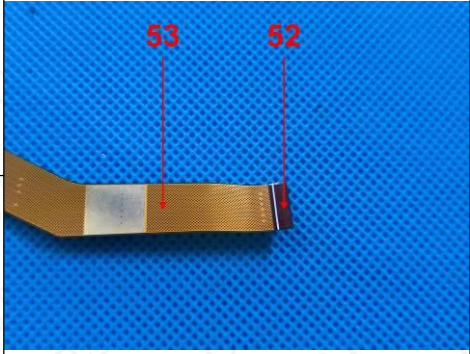
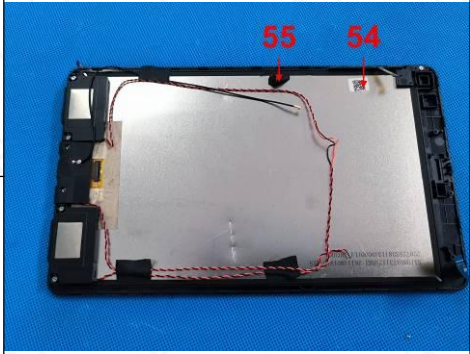
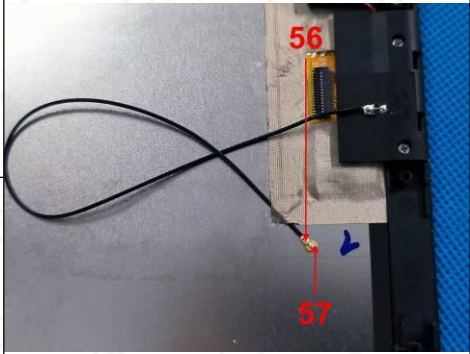
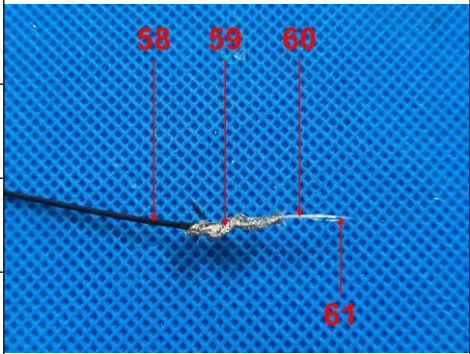
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Sample No.	Description	Photograph
034	Black foam with glue	
035	Black plastic	
036	Transparent glass	
037	Transparent plastic	
038	Transparent plastic	
039	Black plastic	
040	Black plastic	
041	Black plastic	

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Sample No.	Description	Photograph
042	Black plastic	
043	Black plastic	
044	Transparent plastic	
045	Black plastic	
046	Transparent plastic	
047	Black/white plastic	
048	Silvery metal	
049	Black FPC	
050	Silvery solder	
051	Yellow plastic	

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Sample No.	Description	Photograph
052	Brown/white plastic	
053	Yellow FPC	
054	White paper with black printing	
055	Black fabric with glue	
056	Golden metal	
057	White plastic	
058	Black soft plastic (cable jacket)	
059	Silvery metal	
060	Translucent soft plastic (wire jacket)	
061	Silvery metal (wire core)	

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Sample No.	Description	Photograph
062	Black FPC	
063	Silvery solder	
064	Black plastic	
065	Black soft plastic (cable jacket)	
066	Red soft plastic (wire jacket)	
067	Silvery metal (wire core)	
068	Black soft plastic	
069	Grey textile fabric	
070	Golden metal	
071	White plastic	
072	Silvery metal	
073	Silvery metal with golden plating	

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Sample No.	Description	Photograph
074	Red plastic	
075	Silvery metal	
076	Silvery metal foil	
077	Green PCB	
078	Silvery solder	
079	Silvery metal	
080	Black plastic	
081	Transparent plastic	
082	Silvery metal foil with black plating	
083	Coppery metal	

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Sample No.	Description	Photograph
084	Black plastic	
085	Silvery solder	
086	Silvery metal	
087	Silvery metal	
088	Silvery magnet	
089	Black textile	

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Sample No.	Description	Photograph
090	White textile	
091	Black glue	
092	Silvery fabric with glue	
093	Black FPC	

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Sample No.	Description	Photograph
094	Transparent plastic	
095	White plastic	
096	Silvery metal	
097	Yellow FPC	
098	Transparent glass with black plating	
099	Black plastic	
100	Grey plastic	

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Sample No.	Description	Photograph
101	Gray glass	
102	Translucent plastic	
103	Silvery plastic	
104	Translucent plastic	
105	White plastic	
106	Transparent plastic	
107	White plastic	
108	Grey plastic	
109	Yellow FPC	
110	Silvery solder	
111	Yellow FPC	
112	Silvery solder	
113	Silvery metal	

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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	Inconclusive^	BL
Sample 002	BL	BL	BL	BL	BL
Sample 003	BL	BL	BL	BL	BL
Sample 004	BL	BL	BL	BL	BL
Sample 005	BL	BL	BL	BL	N.A.
Sample 006	BL	BL	BL	BL	BL
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	BL	BL	BL	BL
Sample 011	BL	OL^	BL	BL	N.A.
Sample 012	BL	BL	BL	BL	BL
Sample 013	BL	OL^	BL	Inconclusive^	N.A.
Sample 014	BL	BL	BL	Inconclusive^	N.A.
Sample 015	BL	BL	BL	Inconclusive^	N.A.
Sample 016	BL	BL	BL	BL	BL
Sample 017	Inconclusive^	BL	BL	BL	N.A.
Sample 018	Inconclusive^	BL	BL	BL	BL
Sample 019	Inconclusive^	BL	BL	BL	N.A.
Sample 020	BL	BL	BL	Inconclusive^	N.A.
Sample 021	BL	BL	BL	BL	BL
Sample 022	BL	BL	BL	BL	N.A.
Sample 023	BL	BL	BL	BL	BL
Sample 024	BL	BL	BL	BL	BL
Sample 025	BL	BL	BL	BL	N.A.
Sample 026	BL	BL	BL	BL	BL

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Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 027	BL	BL	BL	BL	BL
Sample 028	BL	BL	BL	BL	BL
Sample 029	BL	BL	BL	BL	BL
Sample 030	BL	BL	BL	BL	Inconclusive^
Sample 031	BL	BL	BL	BL	BL
Sample 032	BL	BL	BL	BL	Inconclusive^
Sample 033	BL	BL	BL	BL	N.A.
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	BL
Sample 038	BL	BL	BL	BL	BL
Sample 039	BL	BL	BL	BL	BL
Sample 040	BL	BL	BL	BL	BL
Sample 041	BL	BL	BL	BL	BL
Sample 042	BL	BL	BL	BL	BL
Sample 043	BL	BL	BL	BL	BL
Sample 044	BL	BL	BL	BL	BL
Sample 045	BL	BL	BL	BL	BL
Sample 046	BL	BL	BL	BL	BL
Sample 047	BL	BL	BL	BL	BL
Sample 048	BL	BL	BL	Inconclusive^	N.A.
Sample 049	BL	BL	BL	BL	BL
Sample 050	BL	BL	BL	BL	N.A.
Sample 051	BL	BL	BL	BL	BL
Sample 052	BL	BL	BL	BL	BL
Sample 053	BL	BL	BL	BL	BL
Sample 054	BL	BL	BL	BL	BL
Sample 055	BL	BL	BL	BL	BL
Sample 056	BL	BL	BL	BL	N.A.
Sample 057	BL	BL	BL	BL	BL
Sample 058	BL	BL	BL	BL	BL
Sample 059	BL	BL	BL	BL	N.A.
Sample 060	BL	BL	BL	BL	BL
Sample 061	BL	BL	BL	BL	N.A.

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Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 062	BL	BL	BL	BL	BL
Sample 063	BL	BL	BL	BL	N.A.
Sample 064	BL	BL	BL	BL	BL
Sample 065	BL	BL	BL	BL	BL
Sample 066	BL	BL	BL	BL	BL
Sample 067	BL	BL	BL	BL	N.A.
Sample 068	BL	BL	BL	BL	BL
Sample 069	BL	BL	BL	BL	BL
Sample 070	BL	BL	BL	BL	N.A.
Sample 071	BL	BL	BL	BL	BL
Sample 072	BL	BL	BL	BL	N.A.
Sample 073	BL	BL	BL	BL	N.A.
Sample 074	BL	BL	BL	BL	BL
Sample 075	BL	BL	BL	BL	N.A.
Sample 076	BL	BL	BL	BL	N.A.
Sample 077	BL	BL	BL	BL	Inconclusive [^]
Sample 078	BL	BL	BL	BL	N.A.
Sample 079	BL	BL	BL	Inconclusive [^]	N.A.
Sample 080	BL	BL	BL	BL	BL
Sample 081	BL	BL	BL	BL	BL
Sample 082	BL	BL	BL	BL	N.A.
Sample 083	BL	BL	BL	BL	N.A.
Sample 084	BL	BL	BL	BL	BL
Sample 085	BL	BL	BL	Inconclusive [^]	N.A.
Sample 086	BL	BL	BL	BL	N.A.
Sample 087	BL	BL	BL	Inconclusive [^]	N.A.
Sample 088	BL	BL	BL	BL	BL
Sample 089	BL	BL	BL	BL	BL
Sample 090	BL	BL	BL	BL	BL
Sample 091	BL	BL	BL	BL	BL
Sample 092	BL	BL	BL	BL	BL
Sample 093	BL	BL	BL	BL	BL
Sample 094	BL	BL	BL	BL	BL
Sample 095	BL	BL	BL	BL	BL
Sample 096	BL	BL	BL	Inconclusive [^]	N.A.

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Sample No.	Total Cadmium	Total Lead	Total Mercury	Total Chromium	Total Bromine
Sample 097	BL	BL	BL	BL	BL
Sample 098	BL	BL	BL	BL	BL
Sample 099	Inconclusive^	BL	BL	BL	BL
Sample 100	BL	BL	BL	BL	BL
Sample 101	BL	BL	BL	BL	BL
Sample 102	BL	BL	BL	BL	BL
Sample 103	BL	BL	BL	BL	BL
Sample 104	BL	BL	BL	BL	BL
Sample 105	BL	BL	BL	BL	BL
Sample 106	BL	BL	BL	BL	BL
Sample 107	BL	BL	BL	BL	BL
Sample 108	BL	BL	BL	BL	BL
Sample 109	BL	BL	BL	BL	BL
Sample 110	Inconclusive^	BL	BL	BL	N.A.
Sample 111	BL	BL	BL	BL	BL
Sample 112	BL	BL	BL	BL	N.A.
Sample 113	BL	BL	BL	Inconclusive^	N.A.

Note:

1. All Concentrations express in "mg/kg" (milligram per kilogram), mg/kg ~ ppm
2. "OL" denotes "over limit"
3. "BL" denotes "below limit"
4. "N.A." denotes "Not Applicable"
5. "Inconclusive" denotes result is intermediate between "OL" and "BL"
6. "^"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.

XRF screening limits for different materials:

Materials	Concentration (mg/kg)				
	Cd	Cr	Pb	Hg	Br
Metal	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	N.A.
Polymers	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (300-3\sigma) < X$
Composite material	$BL \leq (50-3\sigma) < X < (150+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$	$BL \leq (250-3\sigma) < X$

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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 [$\mu\text{g}/\text{cm}^2$]	Hexavalent Chromium [mg/kg]
Detection Limit	5	5	5	0.10	5
Limit	100	1000	1000	0.10	1000
Sample 001	/	/	/	/	N.D.
Sample 011	/	155*	/	/	/
Sample 013	/	N.D.*	/	N.D.	/
Sample 014	/	/	/	N.D.	/
Sample 015	/	/	/	N.D.	/
Sample 017	N.D.	/	/	/	/
Sample 018	N.D.	/	/	/	/
Sample 019	N.D.	/	/	/	/
Sample 020	/	/	/	N.D.	/
Sample 048	/	/	/	N.D.	/
Sample 079	/	/	/	N.D.	/
Sample 085	/	/	/	N.D.	/
Sample 087	/	/	/	N.D.	/
Sample 096	/	/	/	N.D.	/
Sample 099	N.D.	/	/	/	/
Sample 110	N.D.	/	/	/	/
Sample 113	/	/	/	N.D.	/

Note:

- All Concentrations express in "mg/kg"(milligram per kilogram), mg/kg ~ ppm.
- "N.D." = "Not Detected".
- Boiling-water-extraction:
 - Negative = Absence of Cr(VI) coating / surface layer: the detected concentration in boiling-water-extraction solution is less than 0.10 μg with 1cm² sample surface area.
 - Positive = Presence of Cr(VI) coating / surface layer: the detected concentration in boiling-water-extraction solution is greater than 0.13 μg with 1cm² sample surface area.
 - Inconclusive =the detected concentration in boiling-water-extraction solution is greater than 0.10 μg and less than 0.13 μg with 1cm² sample surface area.
- Positive = result be regarded as not comply with RoHS requirement
Negative = result be regarded as comply with RoHS requirement
- "-" =Not regulated
- "*" =The sample of test item was resubmitted by the customer on Oct 27, 2022.

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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]

Test Item		Result [mg/kg]			RoHS Requirement [mg/kg]
		Sample 030	Sample 032	Sample 077	
PBBs	Monobromobiphenyl	< 5	< 5	< 5	Sum of PBBs < 1000
	Dibromobiphenyl	< 5	< 5	< 5	
	Tribromobiphenyl	< 5	< 5	< 5	
	Tetrabromobiphenyl	< 5	< 5	< 5	
	Pentabromobiphenyl	< 5	< 5	< 5	
	Hexabromobiphenyl	< 5	< 5	< 5	
	Heptabromobiphenyl	< 5	< 5	< 5	
	Octabromobiphenyl	< 5	< 5	< 5	
	Nonabromobiphenyl	< 5	< 5	< 5	
	Decabromobiphenyl	< 5	< 5	< 5	
	Sum of PBBs	< 5	< 5	< 5	
PBDEs	Monobromodiphenyl Ether	< 5	< 5	< 5	Sum of PBDEs < 1000
	Dibromodiphenyl Ether	< 5	< 5	< 5	
	Tribromodiphenyl Ether	< 5	< 5	< 5	
	Tetrabromodiphenyl Ether	< 5	< 5	< 5	
	Pentabromodiphenyl Ether	< 5	< 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	
	Sum of PBDEs	< 5	< 5	< 5	

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 002	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 006	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 012	N.D.	N.D.	N.D.	N.D.
Sample 016	N.D.	N.D.	N.D.	N.D.
Sample 018	N.D.	N.D.	N.D.	N.D.
Sample 021	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 026	N.D.	N.D.	N.D.	N.D.
Sample 027	N.D.	N.D.	N.D.	N.D.
Sample 028	N.D.	N.D.	N.D.	N.D.
Sample 029	N.D.	N.D.	N.D.	N.D.
Sample 030	N.D.	N.D.	N.D.	N.D.
Sample 031	N.D.	N.D.	N.D.	N.D.
Sample 032	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.	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 042	N.D.	N.D.	N.D.	N.D.

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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 043	N.D.	N.D.	N.D.	N.D.
Sample 044	N.D.	N.D.	N.D.	N.D.
Sample 045	N.D.	N.D.	N.D.	N.D.
Sample 046	N.D.	N.D.	N.D.	N.D.
Sample 047	N.D.	N.D.	N.D.	N.D.
Sample 049	N.D.	N.D.	N.D.	N.D.
Sample 051	N.D.	N.D.	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 055	N.D.	N.D.	N.D.	N.D.
Sample 057	N.D.	N.D.	N.D.	N.D.
Sample 058	N.D.	N.D.	N.D.	N.D.
Sample 060	N.D.	N.D.	N.D.	N.D.
Sample 062	N.D.	N.D.	N.D.	N.D.
Sample 064	N.D.	N.D.	N.D.	N.D.
Sample 065	N.D.	N.D.	N.D.	N.D.
Sample 066	N.D.	N.D.	N.D.	N.D.
Sample 068	N.D.	N.D.	N.D.	N.D.
Sample 069	N.D.	N.D.	N.D.	N.D.
Sample 071	N.D.	N.D.	N.D.	N.D.
Sample 074	N.D.	N.D.	N.D.	N.D.
Sample 077	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 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 092	N.D.	N.D.	N.D.	N.D.
Sample 093	N.D.	N.D.	N.D.	N.D.
Sample 094	N.D.	N.D.	N.D.	N.D.

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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 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 099	N.D.	N.D.	N.D.	N.D.
Sample 100	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.
Sample 104	N.D.	N.D.	N.D.	N.D.
Sample 105	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 108	N.D.	N.D.	N.D.	N.D.
Sample 109	N.D.	N.D.	N.D.	N.D.
Sample 111	N.D.	N.D.	N.D.	N.D.

Note:

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

Remark: As specified by applicant, to test content in the selected materials of the submitted samples. The test results are only responsible for the submitted sample. The test report is only for customer research, teaching, internal quality control, product development and other purposes, for reference only.

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Photo of the Submitted Sample



*** End of Report ***

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