Test Report No.: 48.400.23.1087.01-00/11

Rev.: 00

Dated: 2023-11-10

Applicant:	Jiangsu Acrel Electrical Manufacturing. Co., Ltd.
Address:	No. 5, Dongmeng Road, Nanzha Street, Jiangyin, Jiangsu, P. R. China
Attn:	Han Zhonghua
Sample Description:	Meter
Model No.:	DTSD1352
Sample Received Date:	2023-10-12
Test Period:	2023-10-12~2023-10-27
Test Location:	TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch, SHA Chemical Lab.
Purpose of examination:	Verification of RoHS (Restriction of Hazardous Substances) directive 2011/65/EU and its amendment (EU) 2015/863 on submitted samples
Test Results:	Refer to following page(s)
Remark:	- The result relates only to the items tested. - The reference model(s) was declared by client. - The test sample(s) and item(s) was specified by client.

TEC_WUX_F_25.05E – Rev. 00 2021-06-24

TüV SüD Certification and Testing (China) Co., Ltd.
TüV SüD Group

Prepared by: Reviewed by:

Mr. Yiwei CHEN Mr. Feng ZHANG

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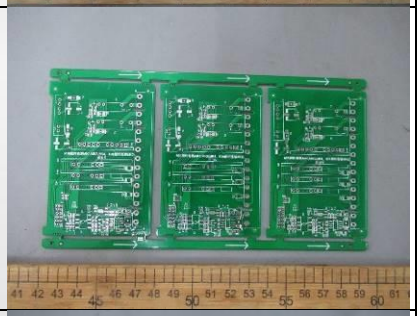
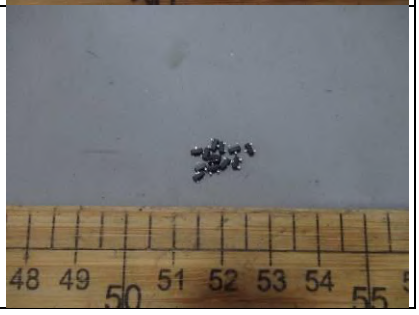
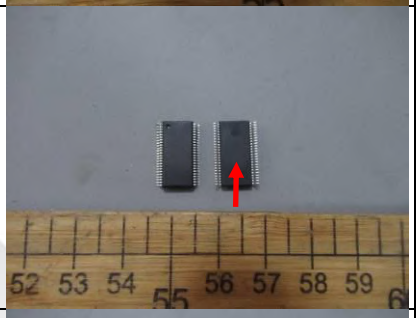
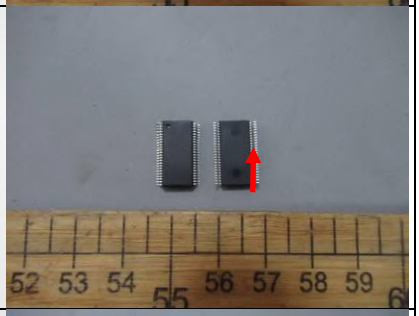
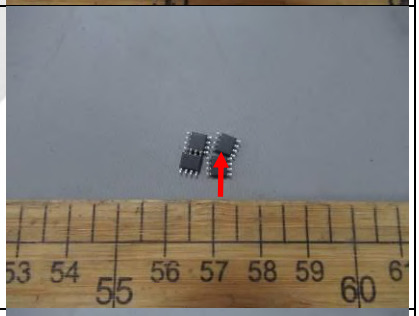
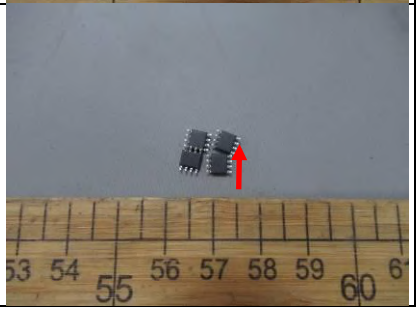
SUMMARY OF TEST RESULTS

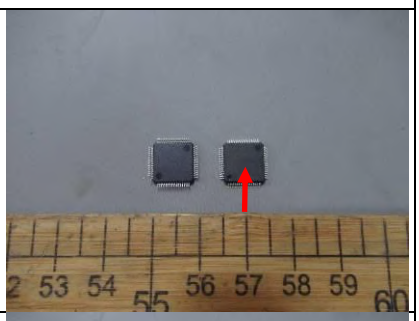
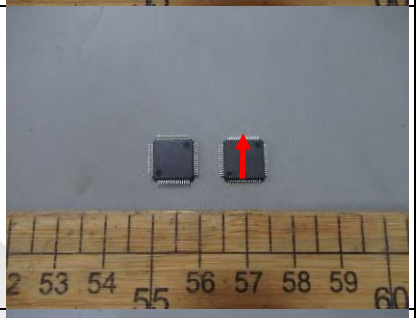
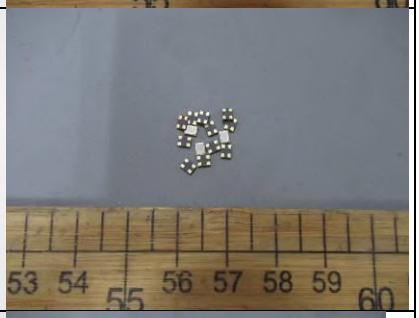
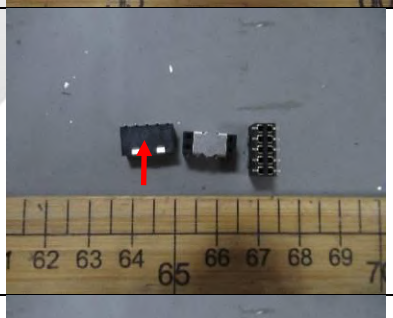
No.	Test Requested	Conclusion	Remarks
1.	Heavy Metal (Pb, Cd, Hg and Cr VI) Content	**PASS**	
2.	Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) Content	**PASS**	
3.	Phthalates (DEHP, BBP, DBP and DIBP) Content	**PASS**	

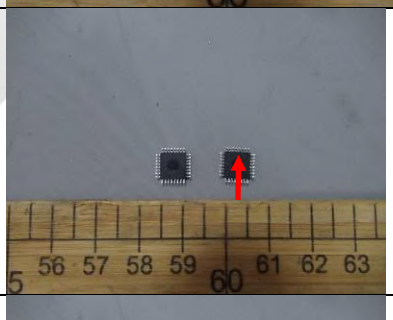
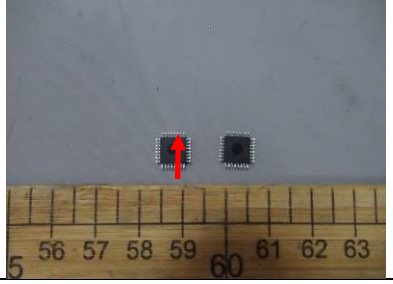
1. TESTED SUBJECT DESCRIPTION

Sample No.	Description (Material, colour)	Photograph/Location
01	Transparent soft plastic inflatable bag, CQD QT-13L237(96)(CQD-280*215-Q-01)	
02	Brown paper packing box, B/ZH-170×150×125-J01(A)	
03	Green hard PCB, KB	
04	black resistance, CR_0603_0R_J	
05	black resistance, CR_0603_10k_F_100ppm	

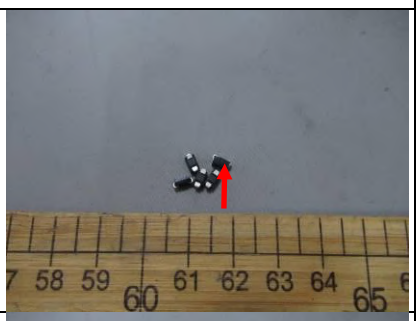
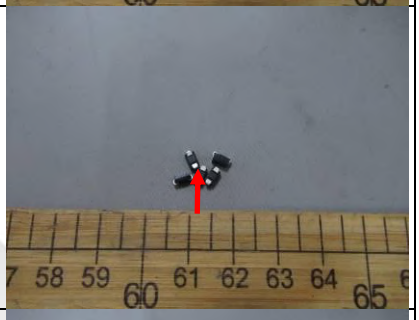
Sample No.	Description (Material, colour)	Photograph/Location
06	Brown capacitor, CC_0603_0.1uF_50V	
07	Brown capacitor, CC_0805_10uF_16V	
08	black resistance, RZ_10P8_10k_J	
09	Golden diode, LL4148-SMD	
10	Black triode, 9013	

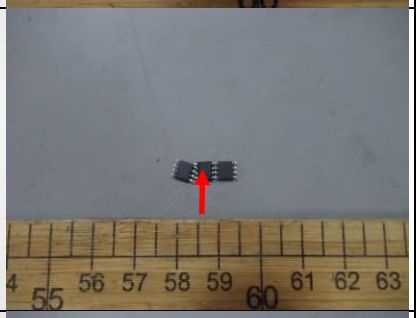
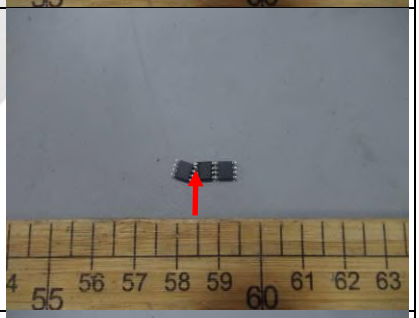
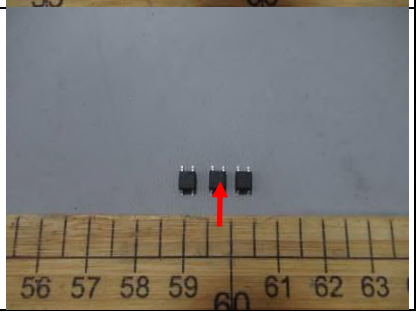
Sample No.	Description (Material, colour)	Photograph/Location
11	Black hard IC, TLV70033DDCR	
12	Black hard IC, HT1621B/HOLTEK	
13	Silver metal pin	
14	Black hard IC, MB85RC16	
15	Silver metal pin	

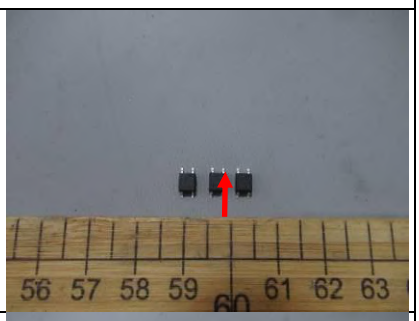
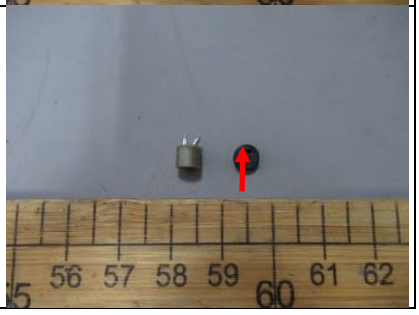
Sample No.	Description (Material, colour)	Photograph/Location
16	Black hard IC, STM32F401RCT6	
17	Silver metal pin	
18	Black hard IC, XN_3225_12MHz_20pF_20ppm	
19	Black hard plastic pai Mu, 22N8572-10M00B-01G-6.7-C	
20	Silver metal pin	

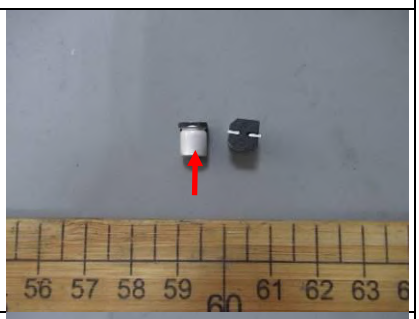
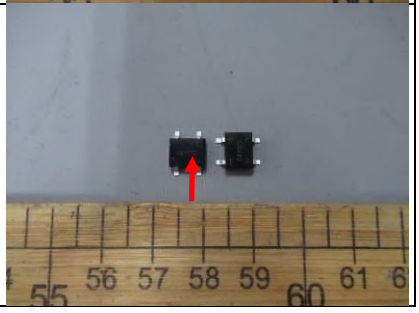
Sample No.	Description (Material, colour)	Photograph/Location
21	Gray capacitor, CC_0603_2.2uF_25V	
22	Black metal magnetic beads FB_0603_100mA_1k	
23	Black diode, BAV199LT1G	
24	Black hard IC, RN7302	
25	Silver metal pin	

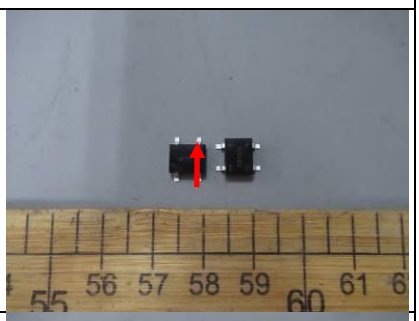
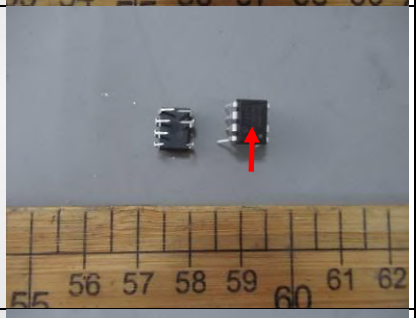
Sample No.	Description (Material, colour)	Photograph/Location
26	Silvery metal crystal oscillator, XN_SMD49_8.192MHz_20pF_20ppm	
27	Silver metal pin	
28	Black hard plastic cover	
29	Black triode, 8050-SMD	
30	Black diode, RS1D	

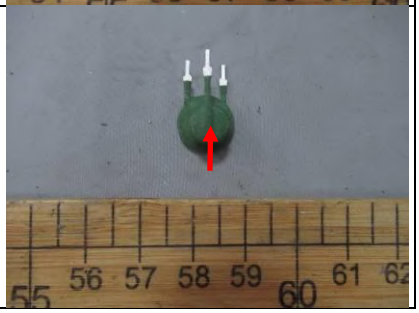
Sample No.	Description (Material, colour)	Photograph/Location
31	Silver metal pin	
32	Black diode, SS310-SMD	
33	Black diode, SMAJ5.0A	
34	Silver metal pin	
35	Black hard IC, AMS431AM(BM)-SMD	

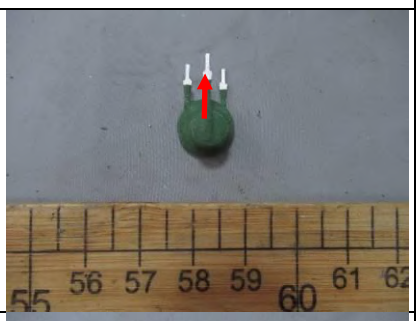
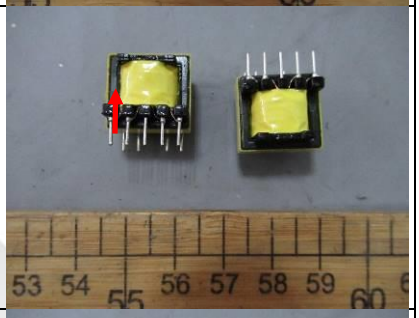
Sample No.	Description (Material, colour)	Photograph/Location
36	Black hard IC, 78L05-SMD(KIA78L05)LM78L05F)	
37	Silver metal pin	
38	Black hard IC, ISL3152EIBZ-T	
39	Silver metal pin	
40	Black optocoupler, LTV-356T-B	

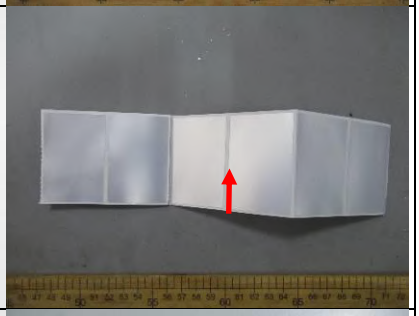
Sample No.	Description (Material, colour)	Photograph/Location
41	Silver metal pin	
42	silvery aluminium alloy shell, CD_6.3X7.7_100uF_35V	
43	Silver metal pin	
44	Gray soft plastic film	
45	Black rubber cushion	

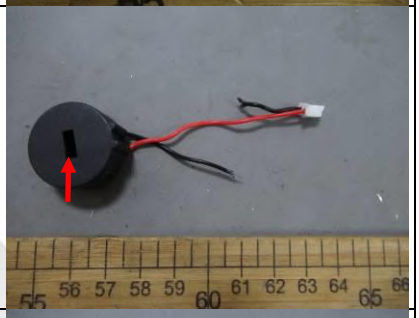
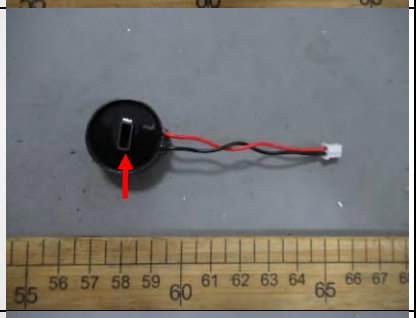
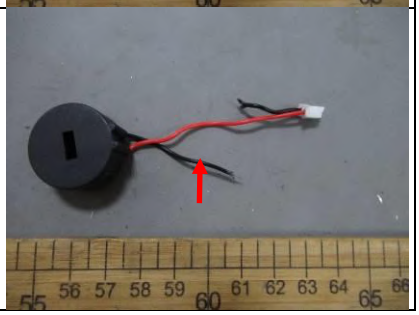
Sample No.	Description (Material, colour)	Photograph/Location
46	silvery aluminium alloy shell, CD_6.3X7.7_220uF_16V	
47	Black rubber cushion	
48	Gray soft plastic film	
49	Silver metal pin	
50	Black bridge chip, DB107S	

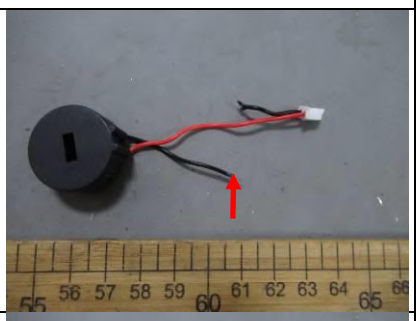
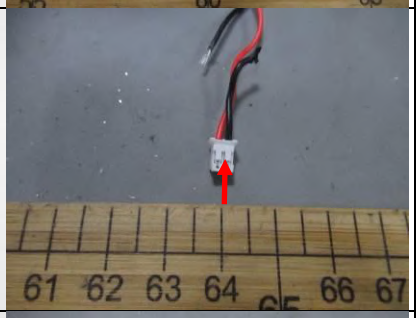
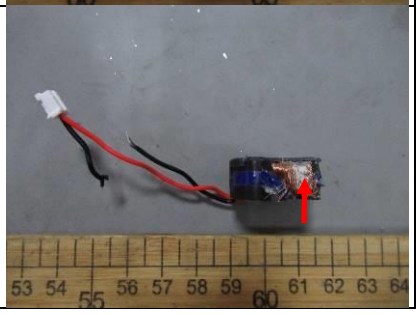
Sample No.	Description (Material, colour)	Photograph/Location
51	Silver metal pin	
52	Black inductance, PCD0503MT3R3(5.8*5.2*3 3.3μH 2.8A)(±20%)	
53	Black hard power chip, TNY286PG	
54	Silver metal pin	
55	Green metal wave filter, 47μH/40mΩ	

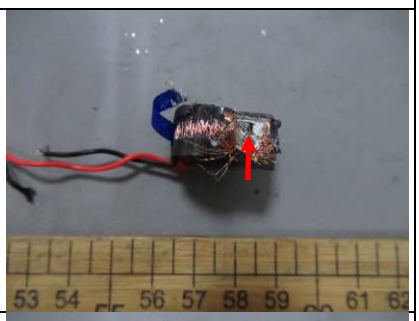
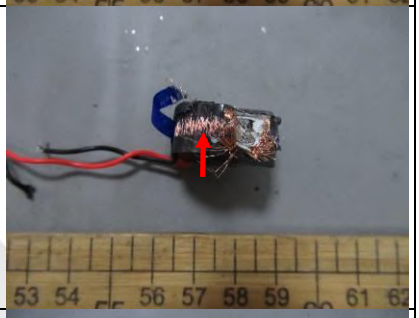
Sample No.	Description (Material, colour)	Photograph/Location
56	Golden metal wire	
57	Translucent hard plastic plate	
58	Black hard plastic base	
59	Silver metal pin	
60	green resistance, RM-12D-55mA	

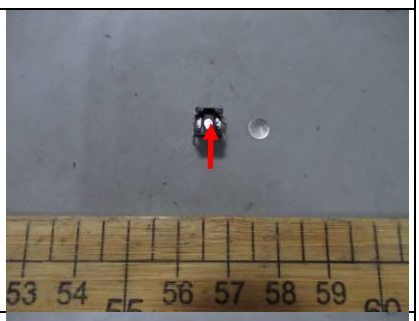
Sample No.	Description (Material, colour)	Photograph/Location
61	Silver metal pin	
62	Black metal magnet, EE16-51515-2	
63	Yellow soft plastic adhesive tape	
64	Black hard plastic base	
65	Silver metal pin	

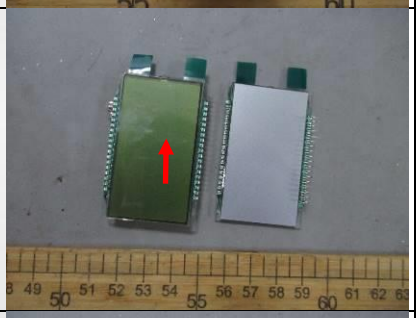
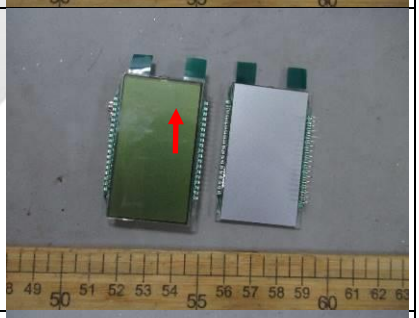
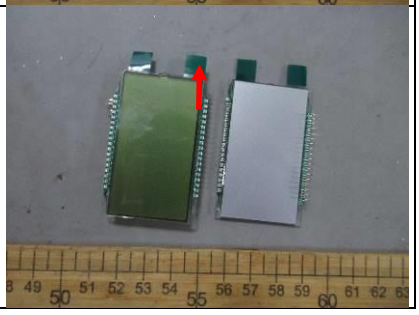
Sample No.	Description (Material, colour)	Photograph/Location
66	Golden metal wire	
67	Yellow soft plastic label,	
68	Silvery soft plastic label,	
69	Silvery metal screw, M3*12	
70	Silvery metal gasket	

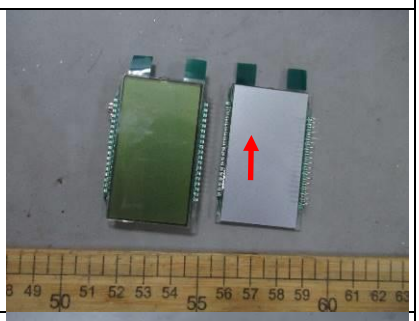
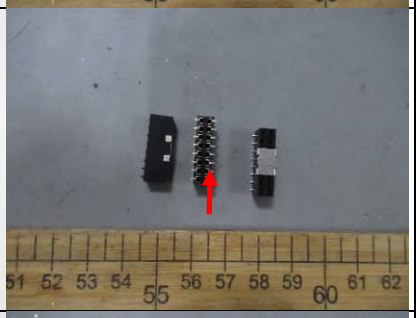
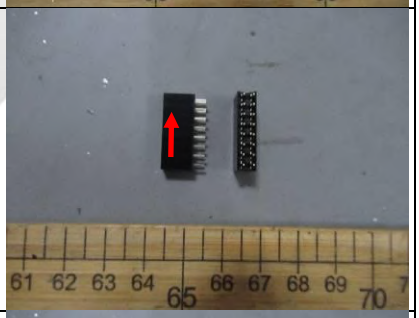
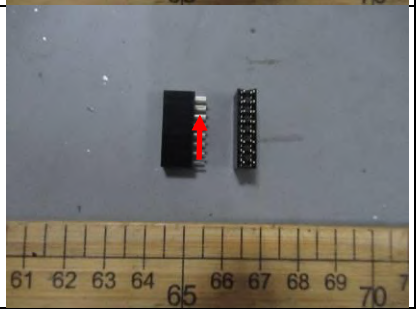
Sample No.	Description (Material, colour)	Photograph/Location
71	Silvery metal gasket	
72	Black hard plastic current transformer shell, CT-10A-5mA-A(HCT614H)	
73	Black hard plastic potting compound	
74	Red soft plastic wire jacket	
75	Black soft plastic wire jacket	

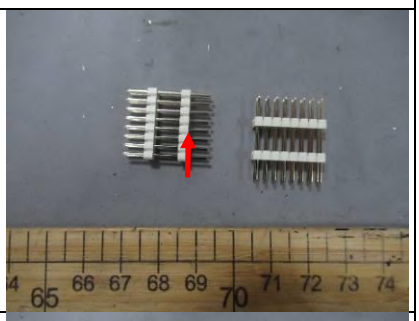
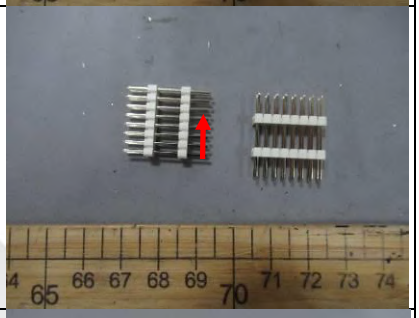
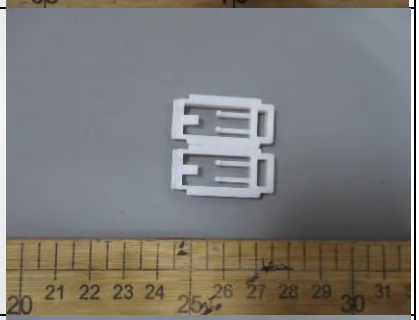
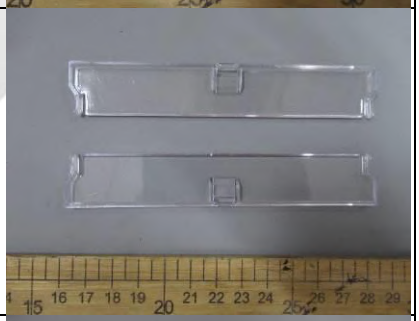
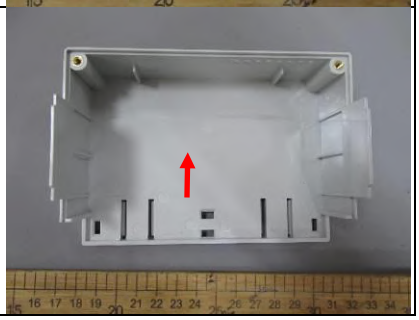
Sample No.	Description (Material, colour)	Photograph/Location
76	Silvery metal wire	
77	White hard plastic plug	
78	Silver metal pin	
79	Blue soft plastic adhesive tape	
80	White hard plastic frame	

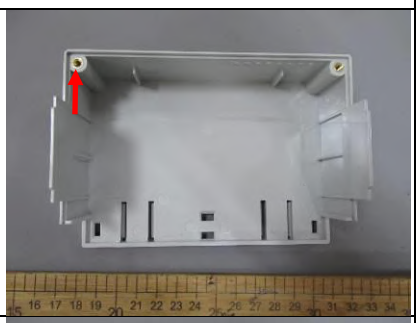
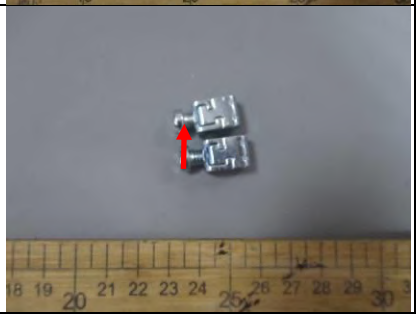
Sample No.	Description (Material, colour)	Photograph/Location
81	Silvery metal iron core	
82	Golden metal wire	
83	Red hard plastic button, 6*6*9.5	
84	Silvery metal bracket	
85	Silver metal pin	

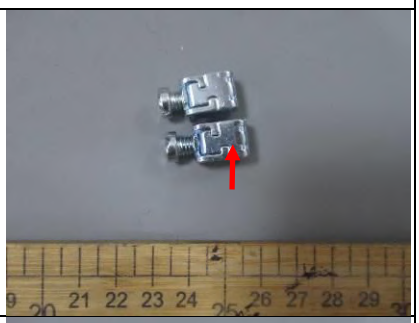
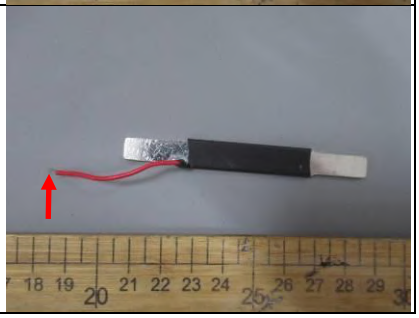
Sample No.	Description (Material, colour)	Photograph/Location
86	Silvery metal base	
87	Silvery metal cushion	
88	Black hard plastic base	
89	Black hard infrared receiver, IRM-T38D-FMeter	
90	Silver metal pin	

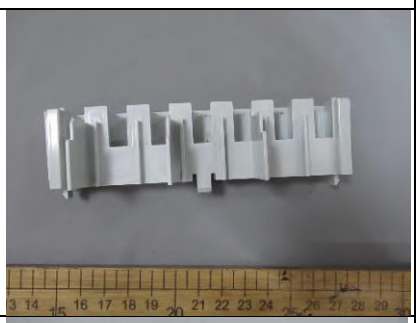
Sample No.	Description (Material, colour)	Photograph/Location
91	Transparent hard infrared transmitting tube, IR-T3AWMC06Meter	
92	Silver metal pin	
93	Transparent glass liquid crystal display, 3.3V-WB-55X35-C-SDH-M13200-HP-5Meter	
94	Transparent soft plastic film	
95	Blue soft plastic film	

Sample No.	Description (Material, colour)	Photograph/Location
96	Gray soft plastic film	
97	Black hard plastic pai Mu, 22N8572-16M00B-01G-6.7-CMeter	
98	Silver metal pin	
99	Black hard plastic pai Mu, 22P8562-16S10B-01G-3.2Meter	
100	Silver metal pin	

Sample No.	Description (Material, colour)	Photograph/Location
101	White hard plastic bracket, QHA2252P08ANA12Meter	
102	Silver metal pin	
103	White hard plastic buckle, DTSF1352-SJ01Meter	
104	Transparent hard plastic cover, DTSF1352	
105	Gray hard plastic shell, KT-7P-S05	

Sample No.	Description (Material, colour)	Photograph/Location
106	Golden copper alloy nut	
107	Gray hard plastic shell, KT-DTSD1352	
108	Yellow soft plastic button	
109	Transparent hard plastic shell	
110	Silvery metal screw, JXZ-01-C-A-01(K88-00A(H))	

Sample No.	Description (Material, colour)	Photograph/Location
111	Silvery metal bracket	
112	Silvery metal slice, BC-508X14-8	
113	Black soft plastic heat shrinkable tube	
114	Red soft plastic wire jacket	
115	Silvery metal wire	

Sample No.	Description (Material, colour)	Photograph/Location
116	Gray hard plastic bracket, KT-7P-S05	
117	Black chip resistor	
118	Black chip resistor	
119	Black chip resistor	
120	Brown chip capacitor	

Sample No.	Description (Material, colour)	Photograph/Location
121	Yellow chip capacitor	

2. TEST RESULT(S)

2.1 SCREENING TEST

Test method: With reference to EN 62321-1:2013, EN IEC 62321-2:2021, EN 62321-3-1:2014 and EN 62321-8:2017.
For Heavy Metals and Flame Retardants, analyzed by Energy Dispersive X-ray Fluorescence Spectrometer (XRF); for phthalates, analyzed by Gas Chromatography and Mass Spectrometer (GC-MS).

Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Pb	Hg	Cr	Br	DEHP	BBP	DBP	DIBP
01	BL	BL	BL	BL	BL	BL	BL	BL	BL
02	BL	BL	BL	BL	BL	BL	BL	BL	BL
03	BL	BL	BL	BL	Inc.[a]	BL	BL	BL	BL
04	BL	BL	BL	BL	BL	BL	BL	BL	BL
05	BL	Inc.[a]	BL	BL	BL	BL	BL	BL	BL
06	BL	BL	BL	BL	BL	BL	BL	BL	BL
07	BL	BL	BL	BL	BL	BL	BL	BL	BL
08	BL	Inc.[a]	BL	BL	BL	BL	BL	BL	BL
09	BL	Inc.[a]	BL	BL	BL	BL	BL	BL	BL
10	BL	BL	BL	BL	BL	BL	BL	BL	BL
11	BL	BL	BL	BL	BL	BL	BL	BL	BL
12	BL	BL	BL	BL	BL	BL	BL	BL	BL
13	BL	BL	BL	BL	NA	NA	NA	NA	NA
14	BL	BL	BL	BL	Inc.[a]	BL	BL	BL	BL
15	BL	BL	BL	BL	NA	NA	NA	NA	NA
16	BL	BL	BL	BL	BL	BL	BL	BL	BL
17	BL	BL	BL	BL	NA	NA	NA	NA	NA
18	BL	BL	BL	BL	BL	BL	BL	BL	BL
19	BL	BL	BL	BL	Inc.[a]	BL	BL	BL	BL
20	BL	BL	BL	Inc.[a]	NA	NA	NA	NA	NA

Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Pb	Hg	Cr	Br	DEHP	BBP	DBP	DIBP
21	BL	BL	BL	BL	BL	BL	BL	BL	BL
22	BL	BL	BL	BL	NA	NA	NA	NA	NA
23	BL	BL	BL	BL	BL	BL	BL	BL	BL
24	BL	BL	BL	BL	BL	BL	BL	BL	BL
25	BL	BL	BL	BL	NA	NA	NA	NA	NA
26	BL	BL	BL	BL	NA	NA	NA	NA	NA
27	BL	BL	BL	BL	NA	NA	NA	NA	NA
28	BL	BL	BL	BL	BL	BL	BL	BL	BL
29	BL	BL	BL	BL	BL	BL	BL	BL	BL
30	BL	BL	BL	BL	BL	BL	BL	BL	BL
31	BL	BL	BL	BL	NA	NA	NA	NA	NA
32	BL	BL	BL	BL	BL	BL	BL	BL	BL
33	BL	BL	BL	BL	BL	BL	BL	BL	BL
34	BL	BL	BL	BL	NA	NA	NA	NA	NA
35	BL	BL	BL	BL	BL	BL	BL	BL	BL
36	BL	BL	BL	BL	BL	BL	BL	BL	BL
37	BL	BL	BL	BL	NA	NA	NA	NA	NA
38	BL	BL	BL	BL	BL	BL	BL	BL	BL
39	BL	BL	BL	BL	NA	NA	NA	NA	NA
40	BL	BL	BL	BL	BL	BL	BL	BL	BL
41	BL	BL	BL	BL	NA	NA	NA	NA	NA
42	BL	BL	BL	BL	NA	NA	NA	NA	NA
43	BL	BL	BL	BL	NA	NA	NA	NA	NA
44	BL	BL	BL	BL	BL	BL	BL	BL	BL

Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Pb	Hg	Cr	Br	DEHP	BBP	DBP	DIBP
45	BL	BL	BL	BL	BL	BL	BL	BL	BL
46	BL	BL	BL	BL	NA	NA	NA	NA	NA
47	BL	BL	BL	BL	BL	BL	BL	BL	BL
48	BL	BL	BL	BL	BL	BL	BL	BL	BL
49	BL	BL	BL	BL	NA	NA	NA	NA	NA
50	BL	BL	BL	BL	BL	BL	BL	BL	BL
51	BL	BL	BL	BL	NA	NA	NA	NA	NA
52	BL	BL	BL	BL	BL	BL	BL	BL	BL
53	BL	BL	BL	BL	BL	BL	BL	BL	BL
54	BL	BL	BL	BL	NA	NA	NA	NA	NA
55	BL	BL	BL	BL	NA	NA	NA	NA	NA
56	BL	BL	BL	BL	NA	NA	NA	NA	NA
57	BL	BL	BL	BL	**Inc.**[(a)]	BL	BL	BL	BL
58	BL	BL	BL	BL	**Inc.**[(a)]	BL	BL	BL	BL
59	BL	BL	BL	BL	NA	NA	NA	NA	NA
60	BL	BL	BL	BL	BL	BL	BL	BL	BL
61	BL	BL	BL	BL	NA	NA	NA	NA	NA
62	BL	BL	BL	BL	NA	NA	NA	NA	NA
63	BL	BL	BL	BL	BL	BL	BL	BL	BL
64	BL	BL	BL	BL	BL	BL	BL	BL	BL
65	BL	BL	BL	BL	NA	NA	NA	NA	NA
66	BL	BL	BL	BL	NA	NA	NA	NA	NA
67	BL	BL	BL	BL	BL	BL	BL	BL	BL
68	BL	BL	BL	BL	BL	BL	BL	BL	BL

Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Pb	Hg	Cr	Br	DEHP	BBP	DBP	DIBP
69	BL	BL	BL	BL	NA	NA	NA	NA	NA
70	BL	BL	BL	BL	NA	NA	NA	NA	NA
71	BL	BL	BL	BL	NA	NA	NA	NA	NA
72	BL	BL	BL	BL	**Inc.[(a)]**	BL	BL	BL	BL
73	BL	BL	BL	BL	BL	BL	BL	BL	BL
74	BL	BL	BL	BL	BL	BL	BL	BL	BL
75	BL	BL	BL	BL	BL	BL	BL	BL	BL
76	BL	BL	BL	BL	NA	NA	NA	NA	NA
77	BL	BL	BL	BL	BL	BL	BL	BL	BL
78	BL	BL	BL	BL	NA	NA	NA	NA	NA
79	BL	BL	BL	BL	BL	BL	BL	BL	BL
80	BL	BL	BL	BL	**Inc.[(a)]**	BL	BL	BL	BL
81	BL	BL	BL	BL	NA	NA	NA	NA	NA
82	BL	BL	BL	BL	NA	NA	NA	NA	NA
83	BL	BL	BL	BL	BL	BL	BL	BL	BL
84	BL	BL	BL	BL	NA	NA	NA	NA	NA
85	BL	BL	BL	BL	NA	NA	NA	NA	NA
86	BL	BL	BL	BL	NA	NA	NA	NA	NA
87	BL	BL	BL	BL	NA	NA	NA	NA	NA
88	BL	BL	BL	BL	BL	BL	BL	BL	BL
89	BL	BL	BL	BL	**Inc.[(a)]**	BL	BL	BL	BL
90	BL	BL	BL	BL	NA	NA	NA	NA	NA
91	BL	BL	BL	BL	BL	BL	BL	BL	BL
92	BL	BL	BL	BL	NA	NA	NA	NA	NA

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Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Pb	Hg	Cr	Br	DEHP	BBP	DBP	DIBP
93	BL	BL	BL	BL	NA	NA	NA	NA	NA
94	BL	BL	BL	BL	BL	BL	BL	BL	BL
95	BL	BL	BL	BL	BL	BL	BL	BL	BL
96	BL	BL	BL	BL	BL	BL	BL	BL	BL
97	BL	BL	BL	BL	**Inc.**[(a)]	BL	BL	BL	BL
98	BL	BL	BL	BL	NA	NA	NA	NA	NA
99	BL	BL	BL	BL	**Inc.**[(a)]	BL	BL	BL	BL
100	BL	BL	BL	BL	NA	NA	NA	NA	NA
101	BL	BL	BL	BL	**Inc.**[(a)]	BL	BL	BL	BL
102	BL	BL	BL	BL	NA	NA	NA	NA	NA
103	BL	BL	BL	BL	BL	BL	BL	BL	BL
104	BL	BL	BL	BL	BL	BL	BL	BL	BL
105	BL	BL	BL	BL	BL	BL	BL	BL	BL
106	BL	**Inc.**[(a)]	BL	BL	NA	NA	NA	NA	NA
107	BL	BL	BL	BL	BL	BL	BL	BL	BL
108	BL	BL	BL	BL	BL	BL	BL	BL	BL
109	BL	BL	BL	BL	BL	BL	BL	BL	BL
110	BL	BL	BL	**Inc.**[(a)]	NA	NA	NA	NA	NA
111	BL	BL	BL	BL	NA	NA	NA	NA	NA
112	BL	BL	BL	BL	NA	NA	NA	NA	NA
113	BL	BL	BL	BL	BL	BL	BL	BL	BL
114	BL	BL	BL	BL	BL	BL	BL	BL	BL
115	BL	BL	BL	BL	NA	NA	NA	NA	NA
116	BL	BL	BL	BL	BL	BL	BL	BL	BL

Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Pb	Hg	Cr	Br	DEHP	BBP	DBP	DIBP
117	BL	BL	BL	BL	BL	BL	BL	BL	BL
118	BL	**Inc.**[(a)]	BL	BL	BL	BL	BL	BL	BL
119	BL	BL	BL	BL	BL	BL	BL	BL	BL
120	BL	BL	BL	BL	BL	BL	BL	BL	BL
121	BL	BL	BL	BL	BL	BL	BL	BL	BL

Remark:

- "BL" denotes below limit
- "OL" denotes over limit
- "Inc." denotes inconclusive
- "NA" denotes not applicable
- "(a)" denotes further confirmation test was conducted, results are listed in 2.2 and 2.3.
- XRF screening limits in mg/kg for regulated elements in various matrices

ELEMENT	POLYMER		
	BL	INCONCLUSIVE	OL
Cd	X≤(70-3σ)	(70-3σ)<X<(130+3σ)	X≥(130+3σ)
Pb	X≤(700-3σ)	(700-3σ)<X<(1300+3σ)	X≥(1300+3σ)
Hg	X≤(700-3σ)	(700-3σ)<X<(1300+3σ)	X≥(1300+3σ)
Br	X≤(300-3σ)	X>(300-3σ)	NA
Cr	X≤(700-3σ)	X>(700-3σ)	NA

ELEMENT	METAL		
	BL	INCONCLUSIVE	OL
Cd	X≤(70-3σ)	(70-3σ)<X<(130+3σ)	X≥(130+3σ)
Pb	X≤(700-3σ)	(700-3σ)<X<(1300+3σ)	X≥(1300+3σ)
Hg	X≤(700-3σ)	(700-3σ)<X<(1300+3σ)	X≥(1300+3σ)
Cr	X≤(700-3σ)	X>(700-3σ)	NA

ELEMENT	COMPLEX MATERIAL		
	BL	INCONCLUSIVE	OL
Cd	X≤(50-3σ)	(50-3σ)<X<(150+3σ)	X≥(150+3σ)
Pb	X≤(500-3σ)	(500-3σ)<X<(1500+3σ)	X≥(1500+3σ)
Hg	X≤(500-3σ)	(500-3σ)<X<(1500+3σ)	X≥(1500+3σ)
Br	X≤(250-3σ)	X>(250-3σ)	NA
Cr	X≤(500-3σ)	X>(500-3σ)	NA

- Screening limits in mg/kg for regulated phthalates in various matrices

PHTHALATES	BL	INCONCLUSIVE
DEHP	X<600	X≥ 600
BBP	X<600	X≥ 600
DBP	X<600	X≥ 600
DIBP	X<600	X≥ 600

2.2 HEAVY METAL CONTENT

Test method: With reference to EN 62321-4:2014 /A1:2017, EN 62321-5:2014, EN 62321-7-1:2015 and EN 62321-7-2:2017, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) and Ultraviolet–visible spectrophotometer (UV-Vis).
[Reporting Limit: 2.0 mg/kg for Cadmium; 5.0 mg/kg or 0.10 μg/cm² for Hexavalent Chromium, 10.0 mg/kg for Lead and Mercury.]

Sample No.	Result(s)				
	Total Cadmium	Hexavalent Chromium	Hexavalent Chromium	Total Mercury	Total Lead
05	--	--	--	--	**2487.0[(d)]**
08	--	--	--	--	**3398.0[(d)]**
09	--	--	--	--	**144818.0[(d)]**
20	--	/	Negative	--	--
106	--	/	--	--	**14018.0[(c)]**
110	--	/	Negative	--	--
118	--	--	--	--	**2362.0[(d)]**
Unit	mg/kg	mg/kg	μg/cm²	mg/kg	mg/kg
RoHS Requirement	100	1000	Negative[#]	1000	1000

Remark:

- "mg/kg" denotes milligram per kilogram
- "μg/cm²" denotes micrograms per square centimeter
- "<" denotes less than
- "Positive" denotes the absorbance value of sample is > 0.13 μg/cm², the sample is considered to be positive for Hexavalent Chromium.
- "Inconclusive" denotes the absorbance value of sample is ≥ 0.10 μg/cm² and ≤ 0.13 μg/cm², the sample is considered to be Inconclusive for Hexavalent Chromium.
- "Negative" denotes the absorbance value of sample is < 0.10 μg/cm², the sample is considered to be negative for Hexavalent Chromium.
- "[#]" According to DIRECTIVE 2011/65/EU Article 4(1) and Annex II. While, positive means the presence of CrVI on tested areas and the result(s) was (were) regarded as in conflict with European Parliament and Council Directive 2011/65/EU, Article 4(1) and Annex II.
- "--" denotes tested by XRF, result is listed in 2.1
- "[(c)]" denotes the exempt item according to DIRECTIVE 2011/65/EU Annex III item 6(c) Copper alloy containing up to 4 % lead by weight".
- "[(d)]" denotes the exempt item according to DIRECTIVE 2011/65/EU Annex III item 7(c)-I "Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound".

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2.3 POLYBROMINATED BIPHENYLS (PBBs) AND POLYBROMINATED DIPHENYL ETHERS (PBDEs) CONTENT

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

Test Item		Result(s) [mg/kg]					RoHS Requirement [mg/kg]
		03	14	19	57	58	
PBBs	Monobromobiphenyl	<5	<5	<5	<5	<5	-
	Dibromobiphenyl	<5	<5	<5	<5	<5	-
	Tribromobiphenyl	<5	<5	<5	<5	<5	-
	Tetrabromobiphenyl	<5	<5	<5	<5	<5	-
	Pentabromobiphenyl	<5	<5	<5	<5	<5	-
	Hexabromobiphenyl	<5	<5	<5	<5	<5	-
	Heptabromobiphenyl	<5	<5	<5	<5	<5	-
	Octabromobiphenyl	<5	<5	<5	<5	<5	-
	Nonabromobiphenyl	<5	<5	<5	<5	<5	-
	Decabromobiphenyl	<5	<5	<5	<5	<5	-
	Sum of detected PBBs	<50	<50	<50	<50	<50	1000
PBDEs	Monobromodiphenyl ether	<5	<5	<5	<5	<5	-
	Dibromodiphenyl ether	<5	<5	<5	<5	<5	-
	Tribromodiphenyl ether	<5	<5	<5	<5	<5	-
	Tetrabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Pentabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Hexabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Heptabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Octabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Nonabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Decabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Sum of detected PBDEs	<50	<50	<50	<50	<50	1000

2.3 POLYBROMINATED BIPHENYLS (PBBs) AND POLYBROMINATED DIPHENYL ETHERS (PBDEs) CONTENT

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

Test Item		Result(s) [mg/kg]					RoHS Requirement [mg/kg]
		72	80	89	97	99	
PBBs	Monobromobiphenyl	<5	<5	<5	<5	<5	-
	Dibromobiphenyl	<5	<5	<5	<5	<5	-
	Tribromobiphenyl	<5	<5	<5	<5	<5	-
	Tetrabromobiphenyl	<5	<5	<5	<5	<5	-
	Pentabromobiphenyl	<5	<5	<5	<5	<5	-
	Hexabromobiphenyl	<5	<5	<5	<5	<5	-
	Heptabromobiphenyl	<5	<5	<5	<5	<5	-
	Octabromobiphenyl	<5	<5	<5	<5	<5	-
	Nonabromobiphenyl	<5	<5	<5	<5	<5	-
	Decabromobiphenyl	<5	<5	<5	<5	<5	-
	Sum of detected PBBs	<50	<50	<50	<50	<50	1000
PBDEs	Monobromodiphenyl ether	<5	<5	<5	<5	<5	-
	Dibromodiphenyl ether	<5	<5	<5	<5	<5	-
	Tribromodiphenyl ether	<5	<5	<5	<5	<5	-
	Tetrabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Pentabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Hexabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Heptabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Octabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Nonabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Decabromodiphenyl ether	<5	<5	<5	<5	<5	-
	Sum of detected PBDEs	<50	<50	<50	<50	<50	1000

2.3 POLYBROMINATED BIPHENYLS (PBBs) AND POLYBROMINATED DIPHENYL ETHERS (PBDEs) CONTENT

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

Test Item		Result(s) [mg/kg]	RoHS Requirement [mg/kg]
		101	
PBBs	Monobromobiphenyl	<5	-
	Dibromobiphenyl	<5	-
	Tribromobiphenyl	<5	-
	Tetrabromobiphenyl	<5	-
	Pentabromobiphenyl	<5	-
	Hexabromobiphenyl	<5	-
	Heptabromobiphenyl	<5	-
	Octabromobiphenyl	<5	-
	Nonabromobiphenyl	<5	-
	Decabromobiphenyl	<5	-
	Sum of detected PBBs	<50	1000
PBDEs	Monobromodiphenyl ether	<5	-
	Dibromodiphenyl ether	<5	-
	Tribromodiphenyl ether	<5	-
	Tetrabromodiphenyl ether	<5	-
	Pentabromodiphenyl ether	<5	-
	Hexabromodiphenyl ether	<5	-
	Heptabromodiphenyl ether	<5	-
	Octabromodiphenyl ether	<5	-
	Nonabromodiphenyl ether	<5	-
	Decabromodiphenyl ether	<5	-
	Sum of detected PBDEs	<50	1000

Remark:

- "mg/kg" denotes milligram per kilogram
- "<" denotes less than

APPENDIX I: Product Model

Product: Meter	Test model: DTSD1352
	
Additional models: ADL200, ADL400, DDSD1352, DTSD1352, DDS1352, DDSY1352, DTSY1352, DDSF1352, DTSF1352, ADL10, ADL10-E, ADL100, ADL100-E, ADL100-EY, ADL100-ET, ADL100-EY, ADL200N-CT, ADL400N-CT, ADL3000, ADL3000-E-A/KC, ADL3000-E-B/KC, ADM100, ADM130, ADF400L, ADF300L	

Remark:
1. The report covers material testing on specified samples.
2. The tested materials covered by the report were declared by the manufacturer to be used on the additional model.

--END OF REPORT--