



TEST REPORT

XIANGSHAN ZHENGTAI ELECTRICAL APPLIANCE CO.,LTD.

Technical Report: (2421)188-0140(REVISION)

Aug.06,2021

This report is amendment of and supersedes the previous(2421)188-0140 dated Aug.06,2021

Date Received: Jul.07,2021

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Date Revision : Aug.12, 2021

XIANGSHAN ZHENGTAI ELECTRICAL APPLIANCE CO.,LTD.
NO.593 WANLONGROAD,CHENGDONG LNDUSTRIAL
ZONE,XIANGSHAN,NINGBO

SAMPLE INFORMATION:

Sample Description:	ELECTRONIC BODY FAT SCALE ELECTRONIC PERSONAL SCALE	Sample Quantity:	2PCS,4PCS
Vendor:	N/A	Style No(s):	ZT5104 , ZT2119
Manufacturer:	N/A	SKN/SKU No.:	N/A
Buyer:	N/A	PO No.:	N/A
Labeled Age Grade:	N/A	Ref #:	N/A
Appropriate Age Grade:	N/A	Country of Origin:	N/A
Client Specified Age Grade:	N/A	Assortment No.:	N/A
Tested Age Grade:	N/A	Country of Destination:	N/A
UPC Code:	N/A	Color :	N/A

EXECUTIVE SUMMARY:

TEST REQUESTED	CONCLUSION
European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendments (EU) 2015/863	PASS

Revision Reason:

1.As client's requirement,add Style No(s) in the report .

Style No(s):
ZTE-2009H1; ZTE-2004B4;ZTE-2004B5; SYE-2002A1; SYE-2002A2; SYE-2005A11; KCE-021; KCE-022;
KCE-025;KCE-027; KCE-029; KCE-029B; KCE-029S;KCE-029(Bamboo fibre); KCE-030; KCE-030(multi functional);
ZT2101; ZT2101B; ZT2102; ZT2103; ZT2104; ZT2105; ZT2106; ZT2107; ZT2108; ZT2109;
ZT2110; ZT2110B; ZT2110C; ZT2111; ZT2112; ZT2113; ZT2114; ZT2115; ZT2115 (Latex platform) ;
ZT2116; ZT2117; ZT2118; ZT2119; ZT2120; ZT2121; ZT2122; ZT2123; ZT2124; ZT2125; ZT2126;
ZT2127; ZT2128; ZT2129; ZT2130; ZT2131; ZT2132; ZT2133; ZT2134; ZT2135; ZT2136; ZT2137;
ZT2138; ZT2139; ZT2140; ZT2141; ZT2142; ZT2143; ZT2144; ZT2145; ZT2146; ZT2147; ZT2148;
ZT2149; ZT2150; ZT5101; ZT5102; ZT5103; ZT5104; ZT5104B; ZT5104C; ZT5104D; ZT5105; ZT5106;
ZT5106B1; ZT5106B2; ZT5106H; ZT5106C; ZT5106J; ZT5106G; ZT5107; ZT5108; ZT5109; ZT5110;
ZT5111; ZT5112; ZT5113; ZT5114; ZT5115; ZT5116; ZT5117; ZT5118; ZT5119; ZT5120;
ZT5121; ZT5122; ZT5123; ZT5124; ZT5125; ZT5126; ZT5127; ZT5128; ZT5129; ZT5130;
ZT5131; ZT5132; ZT5133; ZT5134; ZT5135; ZT5136; ZT5137; ZT5138; ZT5139; ZT5140;
ZT5141; ZT5142; ZT5143; ZT5144; ZT5145; ZT5146; ZT5147; ZT5148; ZT5149; ZT5150;
ZT6101; ZT6101 (Bamboo fibre) ; ZT6102; ZT6103; ZT6104; ZT6105; ZT6106; ZT6107;
ZT6108; ZT6109; ZT6110; ZT6111; ZT6112; ZT6113; ZT6114; ZT6115; ZT6116; ZT6117;
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ZT6149;ZT6150;ZH7101; ZH7102; TH103; ZH104; ZH7105; ZH7106; ZH7107; ZH7108; ZH7109; ZH7110;
ZH7111; ZH7112; ZH7113; ZH7114; ZH7115; ZH7116; ZH7117; ZH7118; ZH7119; ZH7120; ZH7121;
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ZH9149; ZH9150; ZH1101; ZH1102; ZH1103; ZH1104; ZH1105; ZH1106; ZH1107; ZH1108; ZH1109;
ZH1110; ZH1111; ZH1112; ZH1113; ZH1114; ZH1115; ZH1116; ZH1117; ZH1118; ZH1119; ZH1120;
ZH1121; ZH1122; ZH1123; ZH1124; ZH1125; ZH1126; ZH1127; ZH1128; ZH1129; ZH1130;
ZH1131; ZH1132; ZH1133; ZH1134; ZH1135; ZH1136; ZH1137; ZH1138; ZH1139; ZH1140;
ZH1141; ZH1142; ZH1143; ZH1144; ZH1145; ZH1146; ZH1147; ZH1148; ZH1149; ZH1150;

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Ellis Lou
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Tested Component(s) Breakdown List

Test Item(s)	Description	Location(s)	Style(s)
1	Black plastic shell	Housing	-
2	Black plastic cover	Part	-
3	Black rubber foot pad	Part	-
4	Silvery metal sheet	Part	-
5	Transparent glass with black coating	Housing	-
6	Black foam	Part	-
7	Black plastic	Part	-
8	Silvery metal sheet	Inside	-
9	Silvery metal spring	Inside	-
10	Silvery metal solder	Solder	-
11	Silvery metal solder	Solder	-
12	Transparent tape	Inside	-
13	Silvery metal screw	Inside	-
14	Silvery metal	Inside	-
15	Silvery metal solder	Solder	-
16	Silvery metal	Inside	-
17	Red soft plastic wire jacket	Wire jacket	-
18	Black soft plastic wire jacket	Wire jacket	-
19	White soft plastic wire jacket	Wire jacket	-
20	Blue soft plastic wire jacket	Wire jacket	-
21	Green soft plastic wire jacket	Wire jacket	-
22	Black tape	Inside	-
23	Black rubber belt ^{R1}	Inside	-
24	Black glass	Display screen	-
25	Transparent plastic board	Inside	-
26	Beige translucent plastic film	Inside	-
27	White plastic film	Inside	-
28	Green PCB	PCB	-
29	SMD capacitor	PCB	-
30	SMD resistor	PCB	-
31	SMD audion	PCB	-
32	Black epoxy resin	PCB	-



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33	Silvery metal solder	PCB	-
34	Blue PCB	PCB	-
35	Black IC	PCB	-
36	Crystal	PCB	-
37	Silvery metal solder	Solder	-
38	White PCB	PCB	-
39	Silvery metal solder	Solder	-
40	Silvery metal solder	Solder	-
41	Black plastic button	Switch	-
42	Silvery metal cover	Switch	-
43	Black plastic shell	Switch	-
44	Silvery metal reed	Switch	-
45	Black tape	inside	-
46	White tape	inside	-
47	Brown bamboo board	Housing	-
48	Transparent plastic label	Part	-
49	Black plastic cover	Part	-
50	Black plastic	Housing	-
51	Black rubber foot pad	Part	-
52	Black plastic support	Part	-
53	Black plastic	Inside	-
54	silvery plastic film	Inside	-



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Compliance Test - Heavy Metals, Flame Retardants Content - European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendments

Test Method : See Appendix.

See Analytes and their corresponding Maximum Allowable Limit in Appendix

-			Result					
Parameter			Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs & PBDEs	Conclusion
Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item	Description	Location	-	-	-	-	-	-
Tested components of Model No. 123								
1	Black plastic shell	Housing	ND	ND	ND	ND	ND	PASS
2	Black plastic cover	Part	ND	ND	ND	ND	ND*	PASS
3	Black rubber foot pad	Part	ND	ND	ND	ND	ND	PASS
4	Silvery metal sheet	Part	ND	ND	ND	ND	NA	PASS
5	Transparent glass with black coating	Housing	ND	ND	ND	ND	NA	PASS
6	Black foam	Part	ND	ND	ND	ND	ND	PASS
7	Black plastic	Part	ND	ND	ND	ND	PBDEs 217*	PASS
8	Silvery metal sheet	Inside	ND	ND	ND	ND	NA	PASS
9	Silvery metal spring	Inside	ND	ND	ND	ND	NA	PASS
10	Silvery metal solder	Solder	ND	ND	ND	ND	NA	PASS
11	Silvery metal solder	Solder	ND	ND	ND	ND	NA	PASS
12	Transparent tape	Inside	ND	ND	ND	ND	ND	PASS
13	Silvery metal screw	Inside	ND	ND	ND	ND	NA	PASS
14	Silvery metal	Inside	ND	ND	ND	ND	NA	PASS
15	Silvery metal solder	Solder	ND	ND	ND	ND	NA	PASS
16	Silvery metal	Inside	ND	ND	ND	ND	NA	PASS
17	Red soft plastic wire jacket	Wire jacket	ND	ND	ND	ND	ND	PASS
18	Black soft plastic wire jacket	Wire jacket	ND	ND	ND	ND	ND	PASS
19	White soft plastic wire jacket	Wire jacket	ND	ND	ND	ND	ND	PASS
20	Blue soft plastic wire jacket	Wire jacket	ND	ND	ND	ND	ND	PASS
21	Green soft plastic wire jacket	Wire jacket	ND	ND	ND	ND	ND	PASS
22	Black tape	Inside	ND	ND	ND	ND	ND	PASS
23	Black rubber belt ^{R1}	Inside	ND	ND	ND	ND	ND	PASS
24	Black glass	Display screen	ND	ND	ND	ND	NA	PASS
25	Transparent plastic board	Inside	ND	ND	ND	ND	ND	PASS
26	Beige translucent plastic film	Inside	ND	ND	ND	ND	ND	PASS



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			Result					
Parameter			Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs & PBDEs	Conclusion
Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item	Description	Location	-	-	-	-	-	-
27	White plastic film	Inside	ND	ND	ND	ND	ND	PASS
28	Green PCB	PCB	ND	ND	ND	ND	ND	PASS
29	SMD capacitor	PCB	ND	ND	ND	ND	ND	PASS
30	SMD resistor	PCB	ND	ND	ND	ND	ND	PASS
31	SMD audion	PCB	ND	ND	ND	ND	ND	PASS
32	Black epoxy resin	PCB	ND	ND	ND	ND	ND	PASS
33	Silvery metal solder	PCB	ND	ND	ND	ND	NA	PASS
34	Blue PCB	PCB	ND	ND	ND	ND	ND	PASS
35	Black IC	PCB	ND	ND	ND	ND	ND	PASS
36	Crystal	PCB	ND	ND	ND	ND	NA	PASS
37	Silvery metal solder	Solder	ND	ND	ND	ND	NA	PASS
38	White PCB	PCB	ND	ND	ND	ND	ND	PASS
39	Silvery metal solder	Solder	<500	ND	ND	ND	NA	PASS
40	Silvery metal solder	Solder	ND	ND	ND	ND	NA	PASS
41	Black plastic button	Switch	ND	ND	ND	ND	ND	PASS
42	Silvery metal cover	Switch	ND	ND	ND	ND	NA	PASS
43	Black plastic shell	Switch	ND	ND	ND	ND	ND	PASS
44	Silvery metal reed	Switch	ND	ND	ND	ND	NA	PASS
45	Black tape	inside	ND	ND	ND	ND	ND	PASS
46	White tape	inside	ND	ND	ND	ND	ND	PASS
Tested different components for additional model(s)								
47	Brown bamboo board	Housing	ND	ND	ND	ND	ND	PASS
48	Transparent plastic label	Part	ND	ND	ND	ND	ND	PASS
49	Black plastic cover	Part	ND	ND	ND	ND	ND*	PASS
50	Black plastic	Housing	ND	ND	ND	ND	ND*	PASS
51	Black rubber foot pad	Part	ND	ND	ND	ND	ND	PASS
52	Black plastic support	Part	ND	ND	ND	ND	ND*	PASS
53	Black plastic	Inside	ND	ND	ND	ND	ND*	PASS
54	silvery plastic film	Inside	ND	ND	ND	ND	ND	PASS

Note / Key :

ND = Not detected
NR = Not requested
Detection Limit:
Appendix.

">" = Greater than
mg/kg = milligram(s) per kilogram = ppm = part(s) per million
See NA = Not applicable
EX= Exempted

"<" = Less than

Remark :

- The testing approach is listed in table of Appendix.



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- * denotes as reported result(s) was (were) performed by wet chemistry method. Others were screened by XRF. For XRF screening, the result(s) of Cr VI was (were) reported as total chromium and the result(s) of PBBs and PBDEs was (were) reported as total bromine. Also, the XRF result(s) may be different to the actual content based on various factors including, but not limit to, sample size, thickness, area, non-uniformity composition, surface flatness.
- Only selected example(s) is (are) indicated on the photograph(s) in Comment.
- R1=Second submission



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TEST RESULT

Compliance Test - Phthalate Test – (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Method : Reference to IEC 62321-8: 2017.

Maximum Allowable Limit : 0.1% (Each)

Parameter	CAS No.	Unit	MDL	Result			
				1+2+7	3+51	6	12
Dibutyl phthalate (DBP)	84-74-2	%	0.005	ND	ND	ND	ND
Butyl benzyl phthalate (BBP)	85-68-7	%	0.005	ND	ND	ND	ND
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	%	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	ND	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS	PASS

Parameter	CAS No.	Unit	MDL	Result			
				17+18+19	20+21	22+45	23 ^{R1}
Dibutyl phthalate (DBP)	84-74-2	%	0.005	ND	ND	ND	ND
Butyl benzyl phthalate (BBP)	85-68-7	%	0.005	ND	ND	ND	ND
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	%	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	ND	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS	PASS

Parameter	CAS No.	Unit	MDL	Result			
				25+41+43	26+27+54	28+29+30+31+32+34+35+38	46
Dibutyl phthalate (DBP)	84-74-2	%	0.005	ND	ND	ND	ND
Butyl benzyl phthalate (BBP)	85-68-7	%	0.005	ND	ND	ND	ND
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	%	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	ND	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS	PASS

Parameter	CAS No.	Unit	MDL	Result		
				47	48	49+50+52
Dibutyl phthalate (DBP)	84-74-2	%	0.005	ND	ND	ND
Butyl benzyl phthalate (BBP)	85-68-7	%	0.005	ND	ND	ND
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	%	0.005	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS



Parameter	CAS No.	Unit	MDL	Result
				53
Dibutyl phthalate (DBP)	84-74-2	%	0.005	ND
Butyl benzyl phthalate (BBP)	85-68-7	%	0.005	ND
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	%	0.005	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	ND
Conclusion	-	-	-	PASS

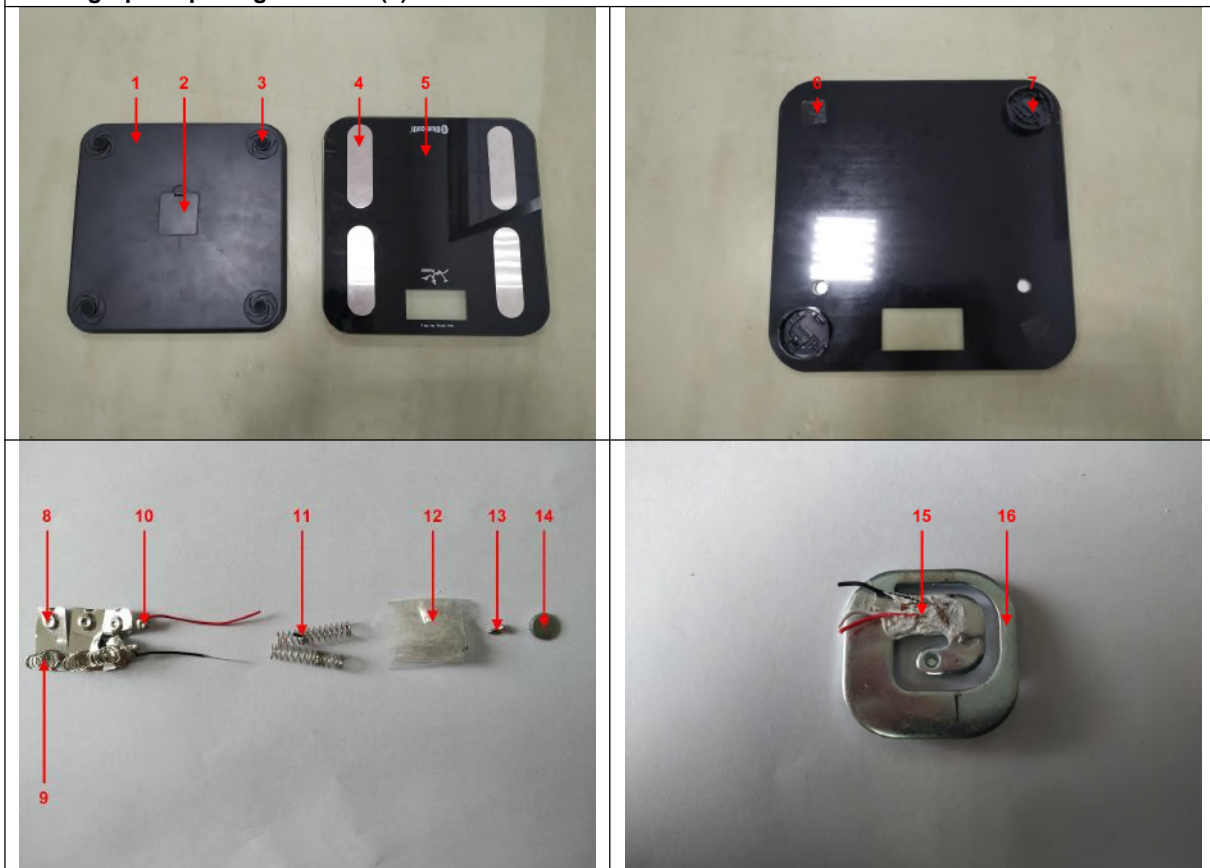
Note: mg/kg= milligram per kilogram % = percentage 1 mg/kg = 0.0001%
 MDL = Method Detection Limit ND = Not Detected (< MDL) “-“ = Not Regulated

- R1=Second submission

Comment :

Photograph(s) [Compliance Test for European Parliament and Council Directive 2011/65/EU] :

Photograph depicting Test Item(s)





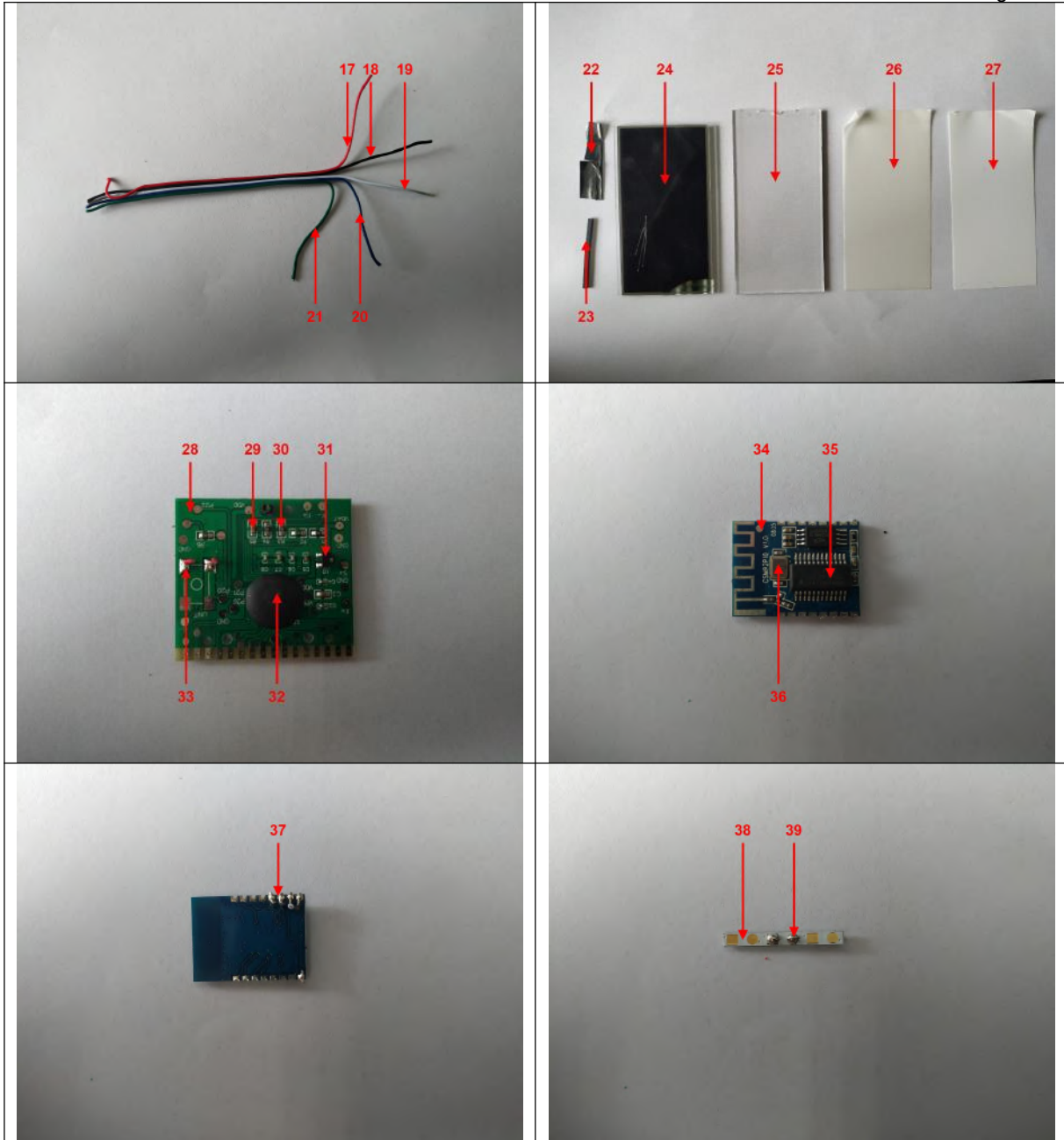
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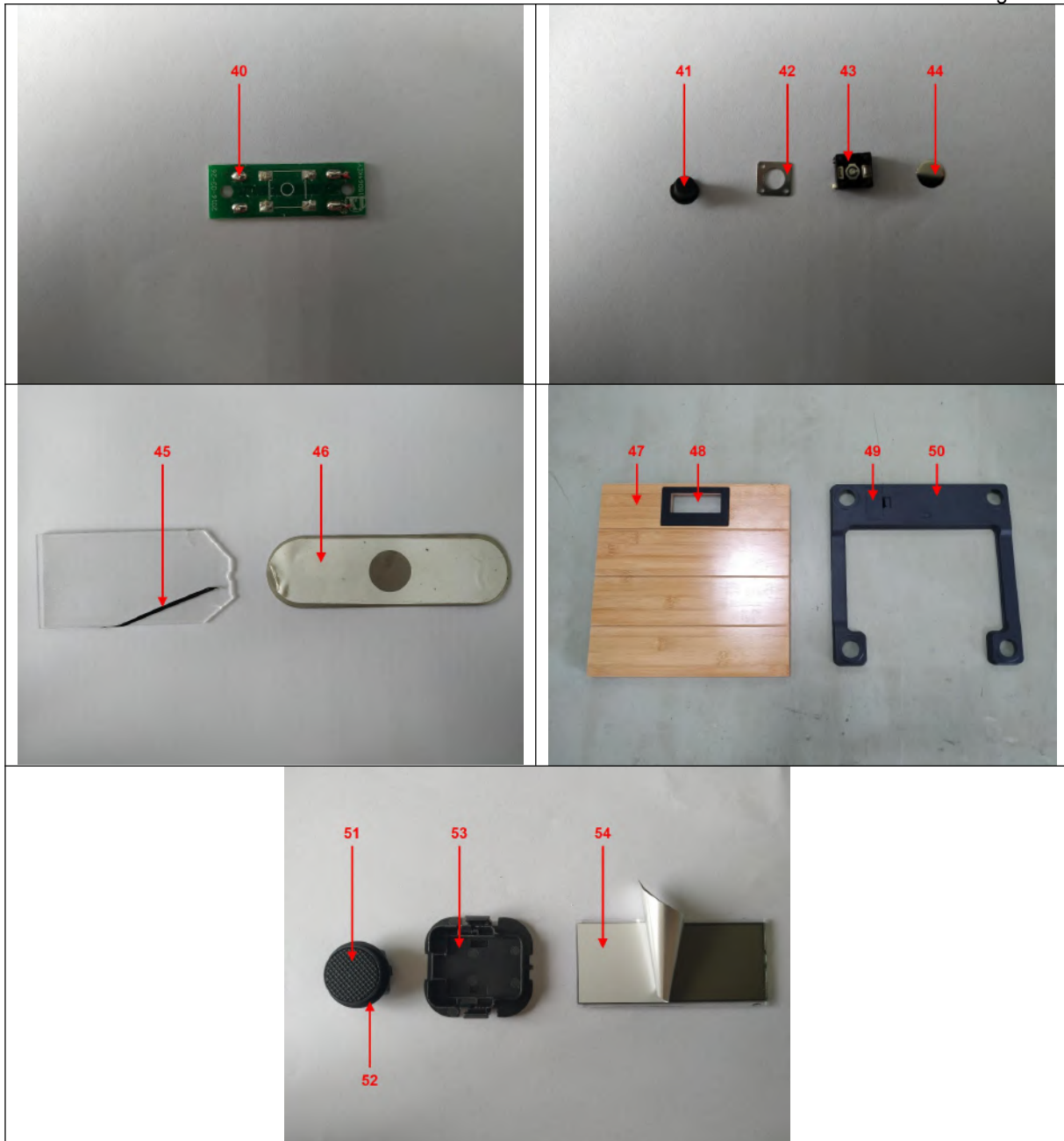
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APPENDIX

List of Analytes and their Corresponding Test Methods, Detection Limit and Maximum Allowable Limit [Compliance Test for European Parliament and Council Directive 2011/65/EU] :

No	Name of Analyte(s)	Detection Limit (mg/kg)				Maximum Allowable Limit (mg/kg)
		X-ray fluorescence (XRF) ^[a]			Wet Chemistry	
		Plastic	Metallic / glass / ceramic	Others		
1	Lead (Pb)	100	200	200	10 ^[b]	1 000
2	Cadmium (Cd)	50	50	50	10 ^[b]	100
3	Mercury (Hg)	100	200	200	10 ^[c]	1 000
4	Chromium (Cr)	100	200	200	NA	NA
5	Chromium VI (Cr VI)	NA	NA	NA	3 ^[g, h] / 10 ^[d] / See ^[e, i]	1 000 / Negative ^[j]
6	Bromine (Br)	200	NA	200	NA	NA
7	Polybromobiphenyls (PBBs) - Bromobiphenyl (MonoBB) - Dibromobiphenyl (DiBB) - Tribromobiphenyl (TriBB) - Tetrabromobiphenyl (TetraBB) - Pentabromobiphenyl (PentaBB) - Hexabromobiphenyl (HexaBB) - Heptabromobiphenyl (HeptaBB) - Octabromobiphenyl (OctaBB) - Nonabromobiphenyl (NonaBB) - Decabromobiphenyl (DecaBB)	NA	NA	NA	Each 50 ^[f]	Sum 1 000
8	Polybromodiphenyl ethers (PBDEs) - Bromodiphenyl ether (MonoBDE) - Dibromodiphenyl ether (DiBDE) - Tribromodiphenyl ether (TriBDE) - Tetrabromodiphenyl ether (TetraBDE) - Pentabromodiphenyl ether (PentaBDE) - Hexabromodiphenyl ether (HexaBDE) - Heptabromodiphenyl ether (HeptaBDE) - Octabromodiphenyl ether (OctaBDE) - Nonabromodiphenyl ether (NonaBDE) - Decabromodiphenyl ether (DecaBDE)	NA	NA	NA	Each 50 ^[f]	Sum 1 000

NA = Not applicable IEC = International Electrotechnical Commission

^[a] Test method with reference to International Standard IEC 62321-3-1: 2013.

^[b] Test method with reference to International Standard IEC 62321-5: 2013.

^[c] Test method with reference to International Standard IEC 62321-4: 2013+AMD1: 2017 CSV.

^[d] Polymers and Electronics - Test method with reference to International Standard IEC 62321-7-2: 2017.



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- [e] Metal - Test method with reference to International Standard IEC 62321-7-1: 2015.
- [f] Test method with reference to International Standard IEC 62321-6: 2015.
- [g] Leather - Test method International Standard ISO 17075: 2017.
- [h] Other Than Metal, Leather, Polymers and Electronics - Test method with reference to International Standard ISO 17075: 2017.
Result(s) of Cr VI for metallic material(s) was (were) expressed in term of positive and negative. Negative means the absence of Cr VI on the tested areas and the result(s) was (were) regarded as in compliance with European Parliament and Council Directive 2011/65/EU, Article 4(1). While, positive means the presence of Cr VI 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).
- [i]

Testing Approach [Compliance Test for European Parliament and Council Directive 2011/65/EU] :

The testing approach was with reference to the following document(s).

- 1 International Standards IEC 62321-1: 2013 and IEC 62321-2: 2013
- 2 "RoHS Enforcement Guidance Document Version 1" by EU RoHS Enforcement Authorities Informal Network. (May 2006)
- 3 "RoHS Regulations - Government Guidance Notes" by United Kingdom Department for Business Innovation & Skills. (February 2011)
- 4 "Final Report to RoHS substances (Hg, Pb, Cr(VI), Cd, PBB and PBDE) in electrical and electronic equipment in Belgium" by Belgium Federal Public Service Health, Food Chain Safety and Environment. (November 2005)



**BUREAU
VERITAS**

XIANGSHAN ZHENGTAI ELECTRICAL APPLIANCE CO.,LTD.
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SAMPLE REFERENCE PHOTO:



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