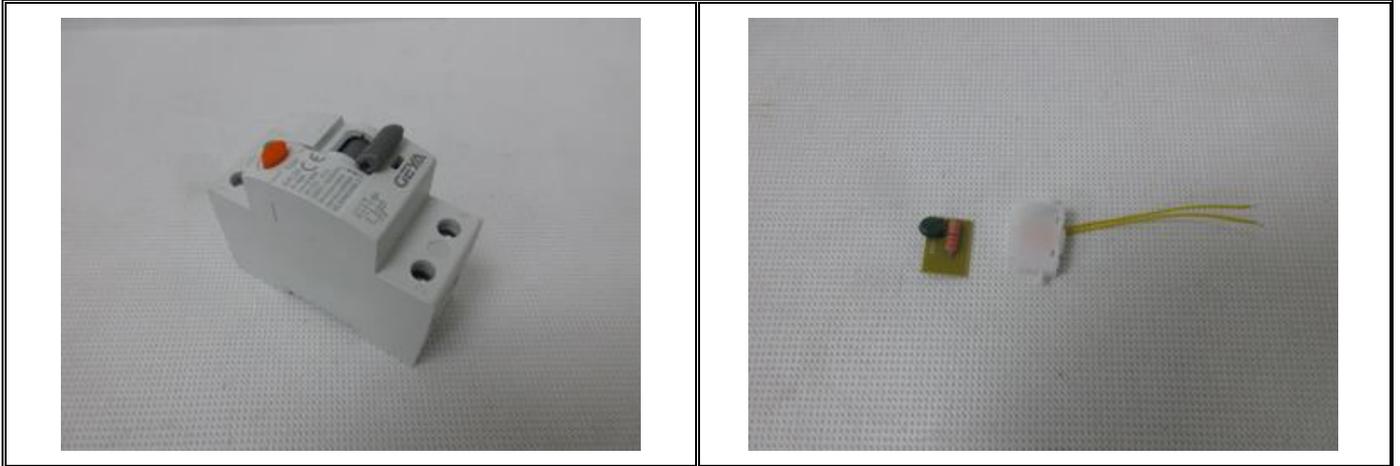




**BUREAU
VERITAS**

LAB NO. : (6624)298-0608
DATE : December 19, 2024
PAGE : 2 OF 10

Photo of the Submitted Sample





**BUREAU
VERITAS**

LAB NO. : (6624)298-0608
 DATE : December 19, 2024
 PAGE : 3 OF 10

TEST RESULT

Compliance Test - 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

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	DBP	BBP	DEHP	DIBP	Conclusion
Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item	Description	Location	-	-	-	-	-	-	-	-	-	-
1	Grey plastic	Housing	ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
2	Silvery metal screw		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
3	Grey plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
4	Grey plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
5	Orange plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
6	Silvery metal screw		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
7	Silvery metal spring		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
8	Grey plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
9	Silvery metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
10	Coppery metal contact point with silvery plating	Inside	ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
11	Silvery metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
12	Silvery metal screw		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
13	Silvery metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
14	Red plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
15	Silvery metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
16	Silvery metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
17	Black plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
18	Silvery metal spring		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
19	Golden metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
20	Silvery metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
21	Brown plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
22	Coppery metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
23	Translucent plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
24	Transparent plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
25	Blue sponge		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
26	Black plastic		ND	ND	ND	ND	ND*	ND*	ND*	ND*	ND*	PASS
27	Silvery metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
28	Coppery metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
29	Silvery metal screw		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
30	Silvery metal solder		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
31	Silvery metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
32	Black plastic		ND	ND	ND	ND	ND*	ND*	ND*	ND*	ND*	PASS
33	Red plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
34	Silvery metal	ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS	



**BUREAU
VERITAS**

LAB NO. : (6624)298-0608
DATE : December 19, 2024
PAGE : 4 OF 10

			Result									
Parameter			Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs & PBDEs	DBP	BBP	DEHP	DIBP	Conclusion
Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item	Description	Location	-	-	-	-	-	-	-	-	-	-
35	Silvery metal	Inside	ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
36	Grey plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
37	Silvery metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
38	Brown plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
39	Brown resistor		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
40	Silvery metal solder		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
41	Transparent plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
42	White plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
43	Red plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
44	Silvery metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
45	Silvery metal spring		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
46	Silvery metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
47	Coppery metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
48	Golden metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
49	Silvery metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
50	White plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
51	Coppery metal wire		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
52	White plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
53	Black plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
54	Silvery metal solder R1		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
55	Yellow plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
56	Silvery metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
57	Silvery metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
58	Silvery metal spring		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
59	Silvery metal		ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS
60	White plastic		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
61	Green capacitor		ND	ND	ND	ND*	ND	ND*	ND*	ND*	ND*	PASS
62	Pink resistor		ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS
63	Black EC	ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS	
64	Black EC	ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS	
65	Brown chip capacitor	ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS	
66	Black chip resistor	1.97x10 ³	ND	ND	ND	NA	NA	NA	NA	NA	EX [#]	
67	Silvery metal solder R2	ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS	
68	Green PCB	ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS	
69	Yellow plastic	ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS	
70	Coppery metal wire	ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS	
71	Black plastic sleeve	ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS	
72	Silvery metal solder	ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS	
73	Red plastic wire jacket	ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS	
74	Transparent plastic	ND	ND	ND	ND	ND	ND*	ND*	ND*	ND*	PASS	
75	Silvery metal	ND	ND	ND	ND	NA	NA	NA	NA	NA	PASS	



**BUREAU
VERITAS**

LAB NO. : (6624)298-0608
DATE : December 19, 2024
PAGE : 5 OF 10

Note / Key :

ND = Not detected	">" = Greater than	"<" = Less than
NR = Not requested	mg/kg = milligram(s) per kilogram = ppm = part(s) per million	
Detection Limit: See Appendix.	NA = Not applicable	EX= Exempted

Remark :

- The testing approach is listed in table of Appendix.
- * 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.
- According to European Parliament and Council Directive 2011/65/EU, Article 5 "Adaptation of the Annexes to scientific and technical progress", exemption(s) should be granted to the materials and components of Test Item(s) in the lists in Annexes III and IV of this directive.
For item 66:
#According to Annex III of European Council Directive 2011/65/EU, exemptions were granted a few materials and Clause 7(c)-I is reiterated here "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.". Test Item(s) was (were) claimed as is by client (received as is). Therefore, this (these) Test Item(s) containing the found lead level should be exempted.
- R1 = 2024-11-25 Second submission
- R2 = 2024-12-16 Third submission

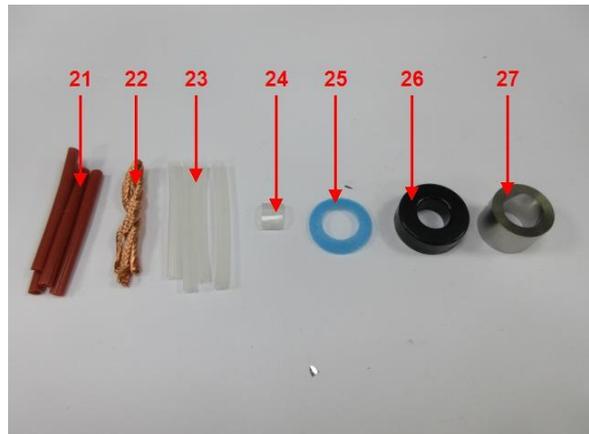
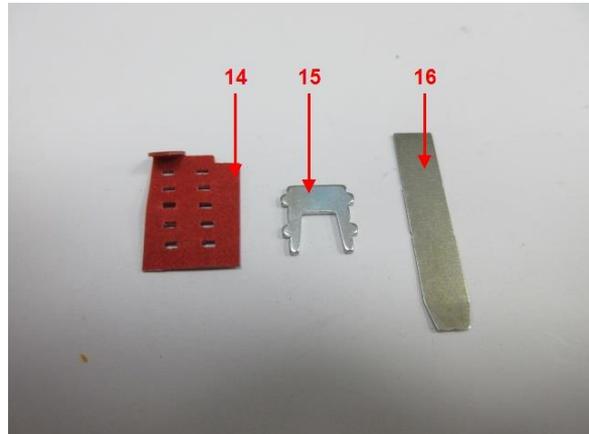
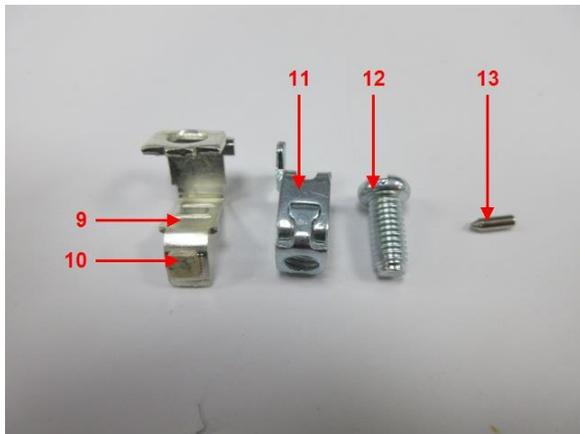
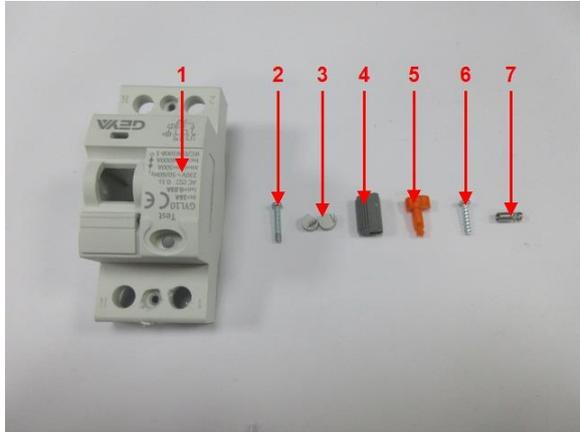


**BUREAU
VERITAS**

LAB NO. : (6624)298-0608
DATE : December 19, 2024
PAGE : 6 OF 10

Comment :

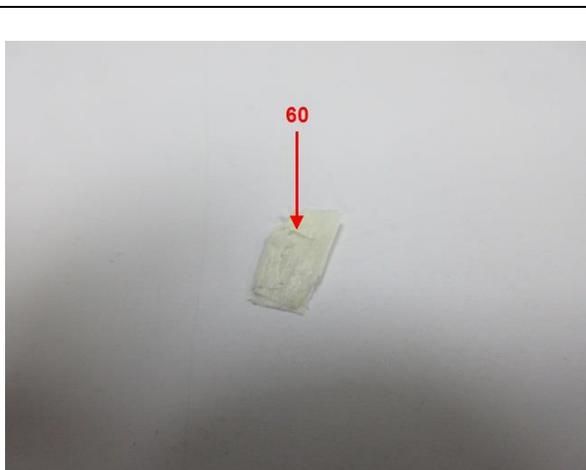
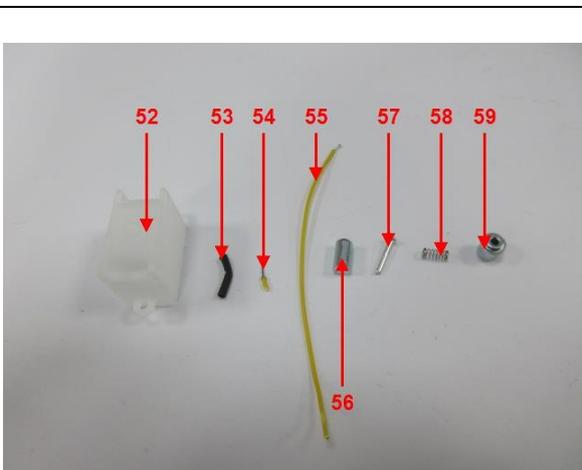
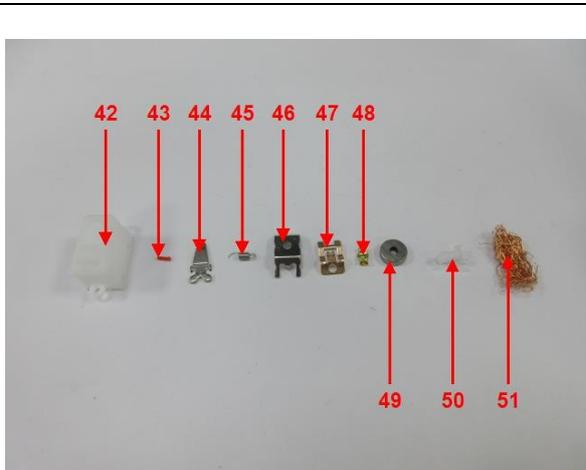
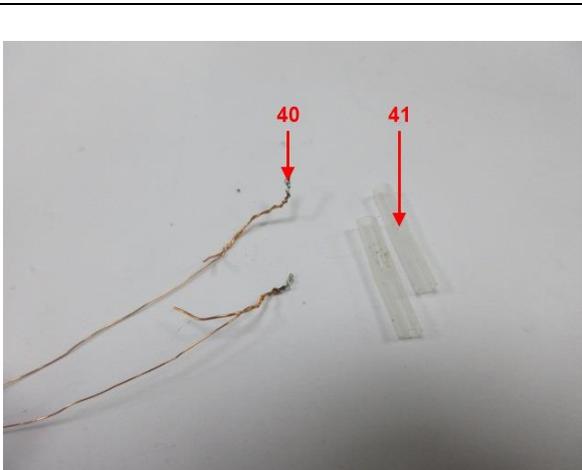
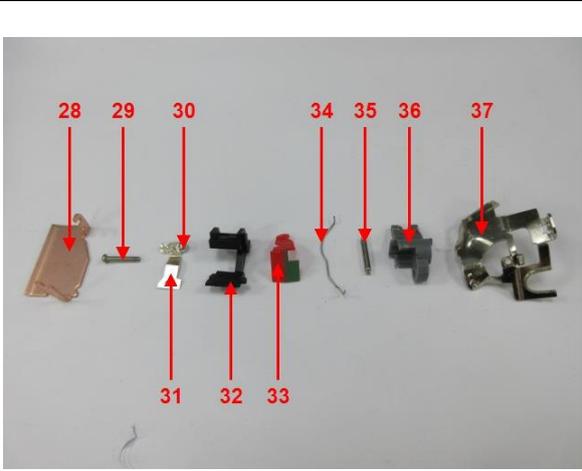
Photograph depicting Test Item(s)





**BUREAU
VERITAS**

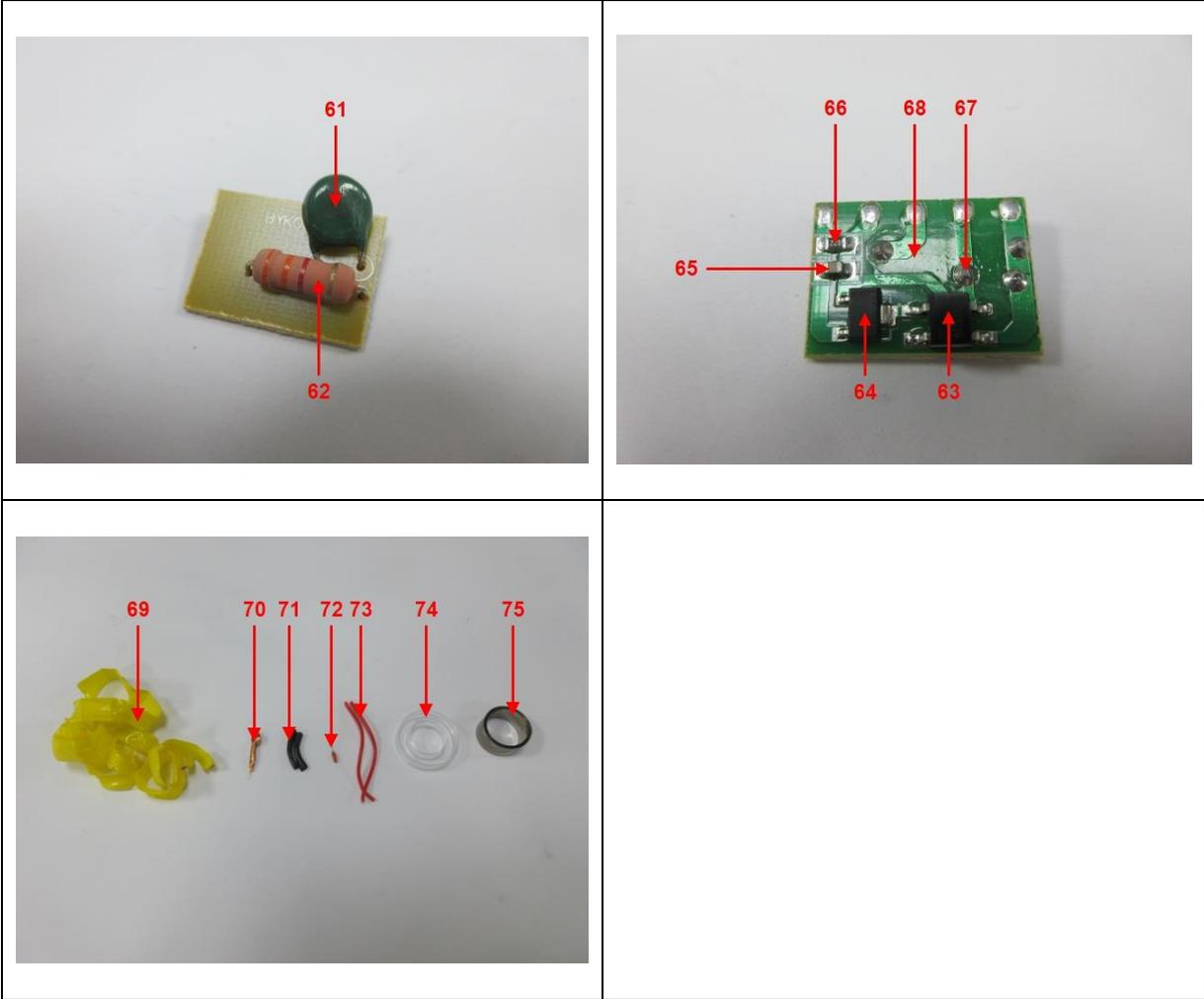
LAB NO. : (6624)298-0608
DATE : December 19, 2024
PAGE : 7 OF 10





**BUREAU
VERITAS**

LAB NO. : (6624)298-0608
DATE : December 19, 2024
PAGE : 8 OF 10



END



**BUREAU
VERITAS**

LAB NO. : (6624)298-0608
DATE : December 19, 2024
PAGE : 9 OF 10

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 with its Amendments (EU) 2015/863] :						
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]	1000
2	Cadmium (Cd)	50	50	50	10 ^[b]	100
3	Mercury (Hg)	100	200	200	10 ^[c]	1000
4	Chromium (Cr)	100	200	200	NA	NA
5	Chromium VI (Cr VI)	NA	NA	NA	3 ^[g, h] / 10 ^[d] / See ^[e, i]	1000 / 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 1000
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 1000
9	Dibutyl phthalate (DBP) Butyl benzyl phthalate (BBP) Di-2-ethylhexyl phthalate (DEHP) Diisobutyl phthalate (DIBP)	NA	NA	NA	Each 500 ^[f]	Each 1000
<p>NA = Not applicable IEC = International Electrotechnical Commission</p> <p>^[a] Test method with reference to International Standard IEC 62321-3-1: 2013.</p> <p>^[b] Test method with reference to International Standard IEC 62321-5: 2013.</p> <p>^[c] Test method with reference to International Standard IEC 62321-4: 2013+AMD1: 2017.</p> <p>^[d] Polymers and Electronics - Test method with reference to International Standard IEC 62321-7-2: 2017.</p> <p>^[e] Metal - Test method with reference to International Standard IEC 62321-7-1: 2015.</p> <p>^[f] Test method with reference to International Standard IEC 62321-6: 2015.</p> <p>^[g] Leather - Test method International Standard ISO 17075: 2017.</p> <p>^[h] Other Than Metal, Leather, Polymers and Electronics - Test method with reference to International Standard ISO 17075: 2017.</p> <p>^[i] 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).</p> <p>^[j] Test method with reference to International Standard IEC 62321-8: 2017</p>						
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: 2021					
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

LAB NO. : (6624)298-0608
DATE : December 19, 2024
PAGE : 10 OF 10

Annex

The client declared that below model(s) consist(s) of above tested different components and part components of the tested model(s) GYL10M.

GYL10E

Remark:

Since the client was not able to provide the sample of additional Style, above additional Style(s) hasn't been tested, but only based on the guarantee letter provided by the client. Bureau Veritas-CPS takes no responsibility for any mistakes and the problems of product consistency caused by inaccurate and/or invalid information submitted by the client. The client will take the responsibility of all discrepancy and risk.