



**BUREAU
VERITAS**

TEST REPORT

LAB NO. : (6622)006-0715
DATE : January 26, 2022
PAGE : 1 OF 11

Applicant:

NINGBO LONGLEAD ELECTRIC APPLIANCES CO.,LTD.

NO 4 INDUSTRY ZONE SHENGTANGTOU ZHOUXIANG TOWN, CIXI, ZHEJIANG 315325

Date of Submission: 2022-1-6/2022-1-24
Test Period: 2022-1-6 to 2022-1-26
Sample Mode: Sample Presentation
BV EE Ref. No.: LAZ-ESH-Q22010601-A0

Sample Description:	Sample(s) received is(are) stated to be: Electric grill		
Manufacturer:	/	Buyer:	/
Style No(s):	LD-602	PO No.:	/
Country of Origin:	/	Country of Destination:	Oversea Country

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION
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	PASS

REMARK

If there are questions or concerns on this report, please contact the following persons:

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BUREAU VERITAS
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PREPARED BY :

Rio

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**BUREAU
VERITAS**

LAB NO. : (6622)006-0715
DATE : January 26, 2022
PAGE : 2 OF 11

Photo of the Submitted Sample





**BUREAU
VERITAS**

LAB NO. : (6622)006-0715
DATE : January 26, 2022
PAGE : 3 OF 11

TEST RESULT

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					Conclusion
Parameter			Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs & PBDEs	
Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item	Description	Location	-	-	-	-	-	-
1	Black plastic	Housing	ND	ND	ND	ND	ND	PASS
2	Black plastic		ND	ND	ND	ND	ND	PASS
3	Silvery metal		ND	ND	ND	ND	NA	PASS
4	Silvery metal		ND	ND	ND	ND	NA	PASS
5	Silvery metal		ND	ND	ND	Negative*	NA	PASS
6	Silvery metal		ND	ND	ND	Negative*	NA	PASS
7	Black plastic		ND	ND	ND	ND	ND*	PASS
8	Silvery metal		ND	ND	ND	ND	NA	PASS
9	Silvery metal		ND	ND	ND	ND	NA	PASS
10	Black plastic		ND	ND	ND	ND	ND*	PASS
11	Black plastic		ND	ND	ND	ND	ND*	PASS
12	Silvery metal		ND	ND	ND	ND	NA	PASS
13	Black plastic		ND	ND	ND	<500	ND	PASS
14	Silvery metal with black plating		ND	ND	ND	ND	NA	PASS
15	Silvery metal		ND	ND	ND	ND	NA	PASS
16	White ceramic		ND	ND	ND	ND	NA	PASS
17	Red plastic		ND	ND	ND	ND	ND	PASS
18	Golden metal with silvery plating ^{R1}		ND	ND	ND	ND	NA	PASS
19	Golden metal		<500	ND	ND	ND	NA	PASS
20	White plastic label with black printing		ND	ND	ND	ND	ND	PASS
21	Black plastic		ND	ND	ND	ND	ND	PASS
22	Silvery metal with black plating ^{R1}		ND	ND	ND	ND	NA	PASS
23	Black plastic		ND	ND	ND	ND	ND	PASS
24	Black plastic		ND	ND	ND	ND	ND	PASS
25	Silvery metal		ND	ND	ND	Negative*	NA	PASS
26	Silvery metal		ND	ND	ND	ND	NA	PASS
27	Silvery metal		ND	ND	ND	Negative*	NA	PASS
28	Coppery metal	Inside	ND	ND	ND	ND	NA	PASS
29	Silvery metal		<500	ND	ND	ND	NA	PASS
30	Golden metal		ND	ND	ND	ND	NA	PASS



**BUREAU
VERITAS**

LAB NO. : (6622)006-0715
DATE : January 26, 2022
PAGE : 4 OF 11

-			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	-	-	-	-	-	-
31	Black plastic	Inside	ND	ND	ND	ND	ND	PASS
32	Transparent glass		ND	ND	ND	ND	NA	PASS
33	White plastic		ND	ND	ND	ND	ND	PASS
34	Transparent plastic		ND	ND	ND	ND	ND	PASS
35	Black plastic wire jacket		ND	ND	ND	ND	ND	PASS
36	Silvery metal		ND	ND	ND	ND	NA	PASS
37	Brown EC		ND	ND	ND	ND	ND	PASS
38	Black plastic ^{R1}		ND	ND	ND	ND	ND	PASS
39	Red plastic wire jacket ^{R1}		ND	ND	ND	ND	ND	PASS
40	Golden metal ^{R1}		ND	ND	ND	ND	NA	PASS
41	White ceramic		ND	ND	ND	ND	NA	PASS
42	Coppery metal		ND	ND	ND	ND	NA	PASS
43	Coppery metal contact point with silvery plating ^{R1}		ND	ND	ND	ND	NA	PASS
44	White ceramic		ND	ND	ND	ND	NA	PASS
45	Silvery metal		ND	ND	ND	Negative*	NA	PASS
46	Silvery metal		<500	ND	ND	ND	NA	PASS
47	Black plastic ^{R1}	Power cord	ND	ND	ND	ND	ND	PASS
48	Black plastic ^{R1}		ND	ND	ND	ND	ND	PASS
49	Blue plastic wire jacket		ND	ND	ND	ND	ND	PASS
50	Brown plastic wire jacket		ND	ND	ND	ND	ND	PASS
51	Green and yellow plastic wire jacket		ND	ND	ND	ND	ND	PASS
52	Black plastic		ND	ND	ND	ND	ND	PASS
53	Silvery metal		ND	ND	ND	ND	NA	PASS
54	Black plastic		ND	ND	ND	ND	ND*	PASS
55	Golden metal with silvery plating ^{R1}		ND	ND	ND	ND	NA	PASS



**BUREAU
VERITAS**

LAB NO. : (6622)006-0715
DATE : January 26, 2022
PAGE : 5 OF 11

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.
- R1=2022-1-24 second submission



**BUREAU
VERITAS**

LAB NO. : (6622)006-0715
DATE : January 26, 2022
PAGE : 6 OF 11

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+10+11 +20	21+23+24+33 +54	13+17+31+34 +35
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	
				(38+39+47+48) ^{R1}	49+50+51+52
Dibutyl phthalate (DBP)	84-74-2	%	0.005	ND	ND
Butyl benzyl phthalate (BBP)	85-68-7	%	0.005	ND	ND
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	%	0.005	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	ND	ND
Conclusion	-	-	-	PASS	PASS

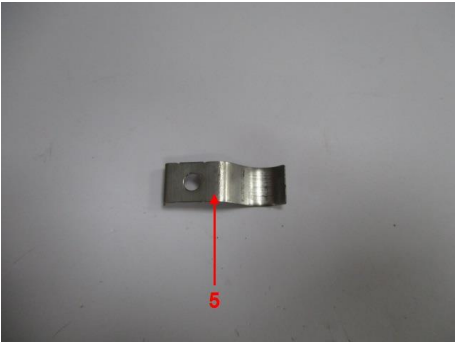
Note: mg/kg= milligram per kilogram % = percentage 1 mg/kg = 0.0001%
MDL = Method Detection Limit ND = Not Detected (< MDL) “-” = Not Regulated
R1=2022-1-24 second submission



**BUREAU
VERITAS**

LAB NO. : (6622)006-0715
DATE : January 26, 2022
PAGE : 7 OF 11

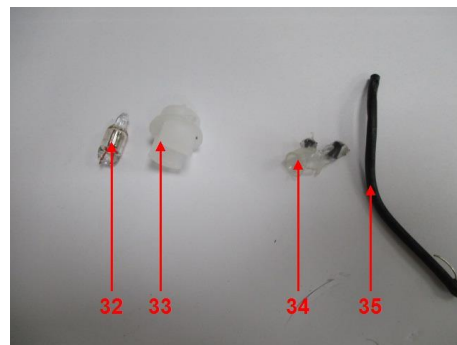
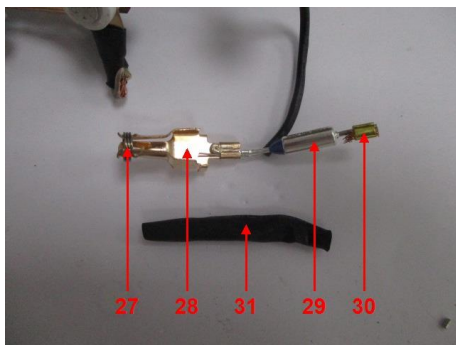
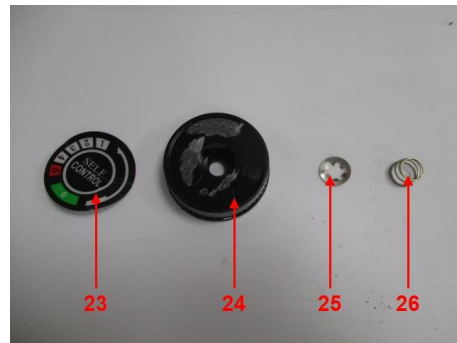
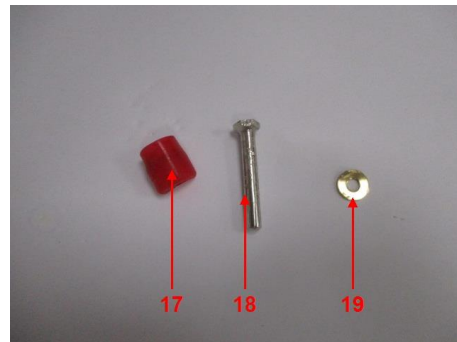
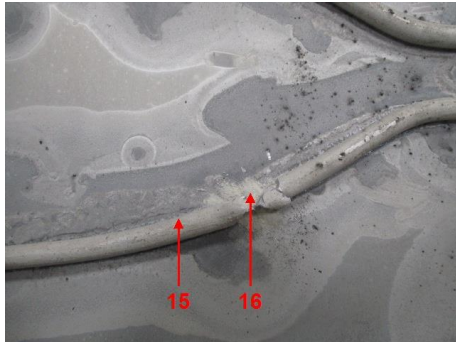
Comment :

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



**BUREAU
VERITAS**

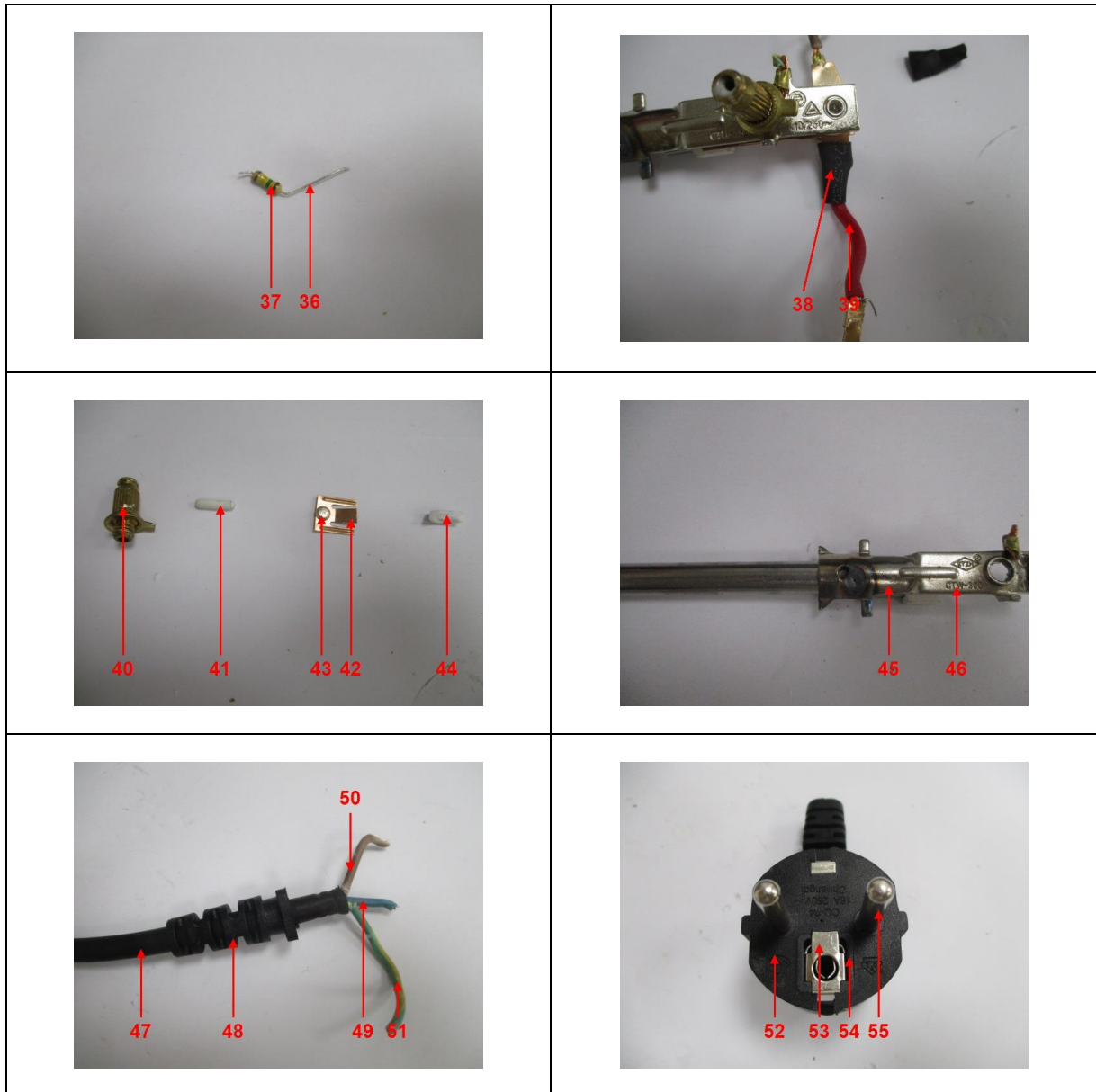
LAB NO. : (6622)006-0715
DATE : January 26, 2022
PAGE : 8 OF 11





**BUREAU
VERITAS**

LAB NO. : (6622)006-0715
DATE : January 26, 2022
PAGE : 9 OF 11



END



**BUREAU
VERITAS**

LAB NO. : (6622)006-0715
DATE : January 26, 2022
PAGE : 10 OF 11

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] :

Council Directive 2011/65/EC [1]						
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 ^[i]
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.

[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.

[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).

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)



LAB NO. : (6622)006-0715
DATE : January 26, 2022
PAGE : 11 OF 11

Annex

The client declared that the materials used of below Styles are same as tested style LD-602.

Description
LD-600,LD-601,LD-601A,LD-602A,LD-603,LD-603A,LD-604,LD-604A,LD-605,LD-606,LD-607,LD-608,LD-609,LD-610,LD-611,LD-612,LD-613,LD-614,LD-615,LD-616,LD-617,LD-618,LD-619,LD-620,LD-800,LD-801,LD-802,LD-803,LD-880,LD-881,LD-818,LD-888,LD-889,LD-621,LD-622,LD-623,LD-625,LD-626,LD-628,LD-629,LD-812,LD-823,LD-826,LD-828,LD-868,LD-850,LD-851,LD-853,LD-855,LD-858

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.