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VERITAS**

TEST REPORT

LAB NO. : (2418)032-0024
DATE : April 02, 2018
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Applicant:
NINGBO CITY WEIYE ELECTRIC APPLIANCE CO., LTD
MEIHU VILLAGE, HENGHE TOWN, CIXI CITY, NINGBO CHINA

Date of Submission: 2018-02-01
Test Period: 2018-02-01 to 2018-04-02
BV EE Ref. No.: WYV-18FE01-01CTSP-A0

Sample Description:	Sample(s) received is(are) stated to be: Handy Garment Steamer (3 个 PP 蓝色, 2 个 PA 灰色和黑色, 3 个 ABS 灰色和蓝色, 2 个 PPR 蓝色, 3 个 PVC 白色, 4 个橡胶黑色)		
Manufacturer:	/	Buyer:	/
Style No(s):	YF-418, YF-418-12, YF418-10, YF-918, YF-918-12, YF-918-10, YF788A, YF-788A-12, YF-788A-10, YF-788, YF-888, YF-888-12, YF-118, YF-118-10, YF-118-12, YF-128, YF-828	PO No.:	/
Country of Origin:	/	Country of Destination:	/
Test Model:	/	Tested Additional Model(s):	/

Test Item(s): Handy Garment Steamer (3 个 PP 蓝色, 2 个 PA 灰色和黑色, 3 个 ABS 灰色和蓝色, 2 个 PPR 蓝色, 3 个 PVC 白色, 4 个橡胶黑色)

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	PASS
Phthalate Test - Reference to (EU) 2015/863 amending Annex II to Directive 2011/65/EU & As Applicant's requirement	PASS

REMARK

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

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**BUREAU VERITAS CONSUMER PRODUCTS SERVICES (SHANGHAI) CO.,LTD.
NINGBO BRANCH**

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Photo of the Submitted Sample



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TEST RESULT

I. 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

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	-	-	-	-	-	-	
Tested components of Handy Garment Steamer									
1	White plastic (Second submission)	Plug	ND	ND	ND	ND	ND	PASS	
2	Silvery plated golden metal pin		2.89x10 ⁴ *	ND	ND	ND	NA	EX [#]	
3	White plastic insulator		ND	ND	ND	ND	ND*	PASS	
4	Silvery metal		ND	ND	ND	ND	NA	PASS	
5	White soft plastic cable jacket (Second submission)	Cable	ND	ND	ND	ND	ND	PASS	
6	Green/yellow soft plastic wire jacket (Second submission)		ND	ND	ND	ND	ND	PASS	
7	Brown soft plastic wire jacket (Second submission)		ND	ND	ND	ND	ND	PASS	
8	Blue soft plastic wire jacket (Second submission)		ND	ND	ND	ND	ND	PASS	
9	Coppery metal wire		ND	ND	ND	ND	NA	PASS	
10	Black plastic gasket		ND	ND	ND	ND	ND	PASS	
11	Transparent soft plastic		ND	ND	ND	ND	ND	PASS	
12	Silvery plastic with black coating label		ND	ND	ND	ND	ND	PASS	
13	Blue plastic	Pedestal	ND	ND	ND	ND	ND	PASS	
14	Silvery metal screw		ND	ND	ND	ND	NA	PASS	
15	White plastic		ND	ND	ND	ND	ND	PASS	
16	Blue plastic		ND	ND	ND	ND	ND	PASS	
17	Blue plastic		ND	ND	ND	ND	ND	PASS	
18	Silvery metal		ND	ND	ND	Negative*	NA	PASS	
19	Transparent plastic		ND	ND	ND	ND	ND	PASS	
20	silvery metal (Second submission)		ND	ND	ND	ND	NA	PASS	
21	Blue plastic		Housing	ND	ND	ND	ND	ND	PASS



Parameter			Result					Conclusion
			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	-	-	-	-	-	-
22	Red soft plastic	Housing	ND	ND	ND	ND	ND	PASS
23	White plastic (Second submission)		ND	ND	ND	ND	ND	PASS
24	Blue plastic		ND	ND	ND	ND	ND	PASS
25	Red plastic		ND	ND	ND	ND	ND	PASS
26	Gray plastic button		ND	ND	ND	ND	ND	PASS
27	White plastic		ND	ND	ND	ND	ND	PASS
28	Gray plastic		ND	ND	ND	ND	ND	PASS
29	Silvery metal spring		ND	ND	ND	Negative*	NA	PASS
30	Black plastic		ND	ND	ND	ND	ND	PASS
31	White plastic	ND	ND	ND	ND	ND	PASS	
32	White soft plastic wire jacket	Inside	ND	ND	ND	ND	ND	PASS
33	Green textile wire jacket		ND	ND	ND	ND	ND	PASS
34	Red textile wire jacket		ND	ND	ND	ND	ND	PASS
35	Blue textile wire jacket		ND	ND	ND	ND	ND	PASS
36	Silvery metal wire		ND	ND	ND	ND	NA	PASS
37	Silvery metal		ND	ND	ND	ND	NA	PASS
38	White plastic		ND	ND	ND	ND	ND	PASS
39	Silvery metal		ND	ND	ND	ND	NA	PASS
40	Transparent plastic		ND	ND	ND	ND	ND	PASS
41	Silvery metal solder	Switch	ND	ND	ND	ND	NA	PASS
42	Black plastic		ND	ND	ND	ND	ND	PASS
43	Black plastic		ND	ND	ND	ND	ND*	PASS
44	Green plastic		ND	ND	ND	ND	ND*	PASS
45	Silvery metal plate		ND	ND	ND	ND	NA	PASS
46	Coppery metal		ND	ND	ND	ND	NA	PASS
47	Silvery plated coppery metal connect point		ND	EX#	ND	ND	NA	EX#
48	Silvery metal		ND	ND	ND	ND	NA	PASS
49	White plastic		ND	ND	ND	ND	ND	PASS
50	White plastic	ND	ND	ND	ND	ND	PASS	
51	Black soft plastic	Injection water pump	ND	ND	ND	ND	ND	PASS
52	White plastic		ND	ND	ND	ND	ND	PASS
53	Black soft plastic		ND	ND	ND	ND	ND	PASS
54	Blue soft plastic ring		ND	ND	ND	ND	ND	PASS
55	Silvery metal		ND	ND	ND	Negative*	NA	PASS
56	Silvery metal spring		ND	ND	ND	Negative*	NA	PASS
57	Silvery metal		ND	ND	ND	Negative*	NA	PASS
58	Silvery metal plate		ND	ND	ND	ND	NA	PASS
59	Black plastic		ND	ND	ND	ND	ND	PASS
60	Black plastic		ND	ND	ND	ND	ND*	PASS
61	Coppery metal wire		ND	ND	ND	ND	NA	PASS



Parameter			Result					Conclusion
			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	-	-	-	-	-	-
62	White plastic	Heater	ND	ND	ND	ND	ND	PASS
63	White soft plastic		ND	ND	ND	ND	ND	PASS
64	Silvery metal		<500	ND	ND	Negative*	NA	PASS
65	White textile		ND	ND	ND	ND	ND	PASS
66	Silvery EC		ND	ND	ND	ND	ND	PASS
67	Silvery metal		ND	ND	ND	ND	NA	PASS
68	Golden metal		ND	ND	ND	ND	NA	PASS
69	Silvery metal		ND	ND	ND	ND	NA	PASS
70	Silvery plated coppery metal connect point		ND	ND	ND	ND	NA	PASS
71	Coppery metal plate		ND	ND	ND	ND	NA	PASS
72	Silvery metal rivet		ND	ND	ND	ND	NA	PASS
73	Golden metal plate		ND	ND	ND	ND	NA	PASS
74	Bronze metal		ND	ND	ND	Negative*	NA	PASS
75	White ceramic		ND	ND	ND	ND	NA	PASS
76	Silvery metal		ND	ND	ND	Negative*	NA	PASS
77	Black soft plastic cover		ND	ND	ND	ND	ND	PASS
78	Transparent plastic		ND	ND	ND	ND	ND	PASS
79	Brown resistor		ND	ND	ND	ND	ND	PASS
80	Transparent lamp		ND	ND	ND	ND	ND	PASS
81	Black diode		<500	ND	ND	ND	ND*	PASS
82	Red soft plastic	ND	ND	ND	ND	ND	PASS	
83	Red glue	ND	ND	ND	ND	ND	PASS	
84	Silvery metal	ND	ND	ND	ND	NA	PASS	
85	Silvery metal	ND	ND	ND	ND	NA	PASS	
86	Black plastic	Parts	ND	ND	ND	ND	ND	PASS
87	Blue plastic		ND	ND	ND	ND	ND	PASS
88	Silvery metal axle		<500	ND	ND	ND	NA	PASS
89	Silvery metal spring		ND	ND	ND	Negative*	NA	PASS



TEST RESULT

II. Phthalate Test – Reference to (EU) 2015/863 amending Annex II to Directive 2011/65/EU & As Applicant's requirement

Test Method : Reference to IEC 62321-8 Ed 1.0.

Maximum Allowable Limit : 0.1% (Each)

Parameter	CAS No.	Unit	MDL	Result			
				3	1	10	16
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	0.006	ND	0.005	0.085
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	ND	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS	PASS

Parameter	CAS No.	Unit	MDL	Result			
				17	21	5	6
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			
				7	8	11	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	0.007	0.013	0.016	0.008
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	ND	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS	PASS



TEST RESULT

II. Phthalate Test – Reference to (EU) 2015/863 amending Annex II to Directive 2011/65/EU & As Applicant’s requirement

Test Method : Reference to IEC 62321-8 Ed 1.0.

Maximum Allowable Limit : 0.1% (Each)

Parameter	CAS No.	Unit	MDL	Result			
				13	15	19	22
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	0.023	0.010	0.016
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	ND	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS	PASS

Parameter	CAS No.	Unit	MDL	Result		
				23	24+25+26	27+28+30
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	0.009	0.010
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS

Parameter	CAS No.	Unit	MDL	Result			
				31+38+42	32	33	34
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	0.024	0.015	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	ND	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS	PASS

Parameter	CAS No.	Unit	MDL	Result			
				35	40	43+44+50	49
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	0.023	0.008	ND	0.013
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	ND	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS	PASS



TEST RESULT

II. Phthalate Test – Reference to (EU) 2015/863 amending Annex II to Directive 2011/65/EU & As Applicant’s requirement

Test Method : Reference to IEC 62321-8 Ed 1.0.

Maximum Allowable Limit : 0.1% (Each)

Parameter	CAS No.	Unit	MDL	Result			
				51	52+59+60	53	54
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			
				62+86+87	63	65	66+79+80+81
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	0.012	0.013	0.009	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	ND	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS	PASS

Parameter	CAS No.	Unit	MDL	Result			
				77	78	82	83
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	0.018	0.006
Diisobutyl phthalate (DIBP)	84-69-5	%	0.005	ND	ND	ND	ND
Conclusion	-	-	-	PASS	PASS	PASS	PASS

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



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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 2:
#According to Annex III of European Council Directive 2011/65/EU, exemptions were granted a few materials and Clause 6(c) is reiterated here “Copper alloy containing up to 4 % lead by weight.”. 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.
- For item 47:
According to Annex III of European Council Directive 2011/65/EU, exemptions were granted a few materials and Clause 8(b) is reiterated here “Cadmium and its compounds in electrical contacts.”. Test Item(s) was (were) claimed as is by client (received as is). Therefore, this (these) Test Item(s) containing the found cadmium level should be exempted.

END



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)				Wet Chemistry	Maximum Allowable Limit (mg/kg)
		X-ray fluorescence (XRF)^[a]			Others		
		Plastic	Metallic / glass / ceramic				
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] / Sec ^[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	Sum 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	Sum 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.

[d] Polymers and Electronics - Test method with reference to European Standard .

[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: 2007.

[h] Other Than Metal, Leather, Polymers and Electronics - Test method with reference to International Standard ISO 17075: 2007.

[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)