TEST REPORT

LAB NO.	:	**(9313)313-0425**
DATE	:	**Nov 22, 2013**
PAGE	:	**1 OF 10**

APPLICANT	:	
CONTACT PERSON	:	PHOEBE
DATE OF SUBMISSION	:	Nov 11, 2013
TEST PERIOD	:	Nov 11, 2013 to Nov 22, 2013
NO. OF WORKING DAYS	:	10
SAMPLE DESCRIPTION	:	Electronic bathroom scale Model/Item No.: 2700758 Buyer(Submitting for): MORRISON Number of Sample Submitted: 7
Color:		No
Style No.:		/
P.O. No.:		7094575/7094524
Country of Origin:		
Country of Destination:		
MANUFACTURER	:	

LA

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SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)	PASS	

BUREAU VERITAS CONSUMER PRODUCTS SERVICES (GUANGZHOU) CO., LTD

CHARLES WONG
ANALYTICAL LAB MANAGER

REMARK

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

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EMAIL: eechemical.sc@cn.bureauveritas.com
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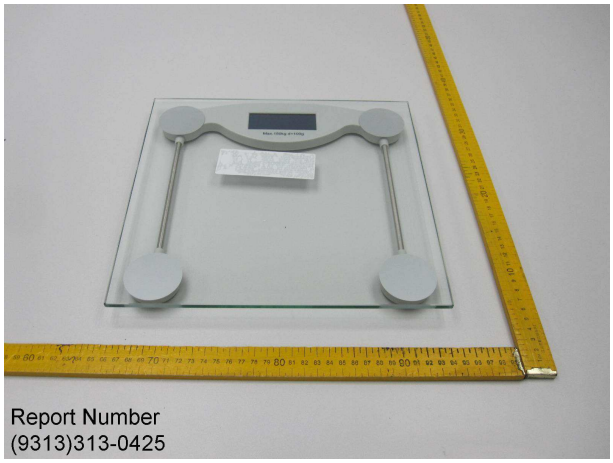
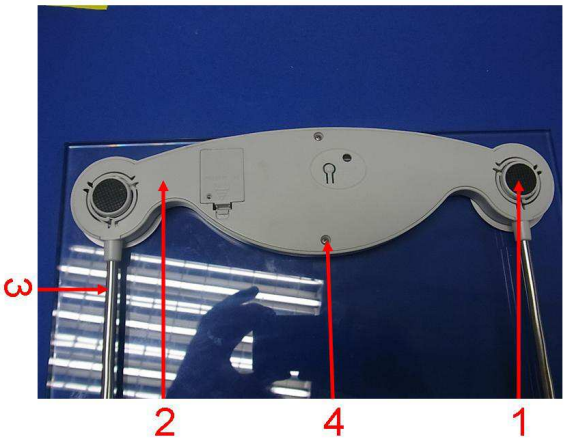
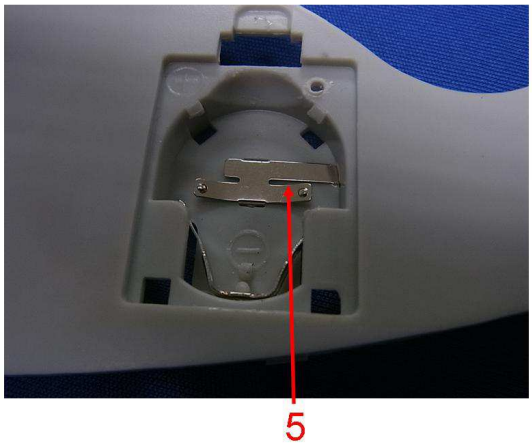
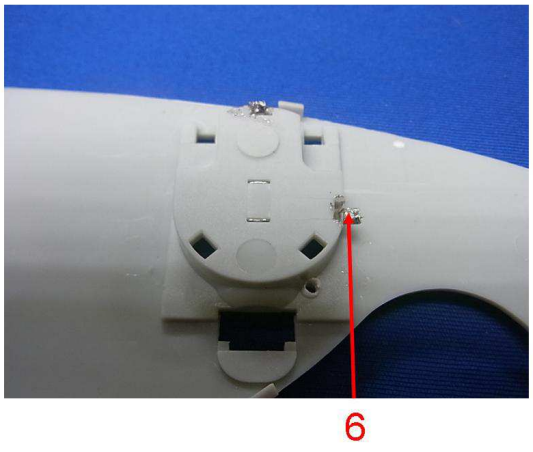
Photo of the Submitted Sample

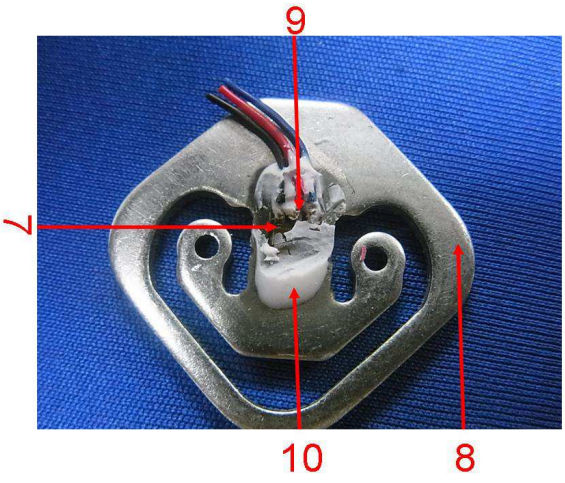


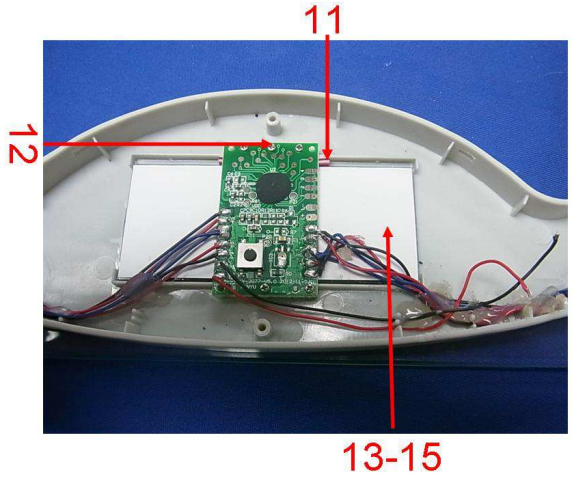
Photograph of test item(s)

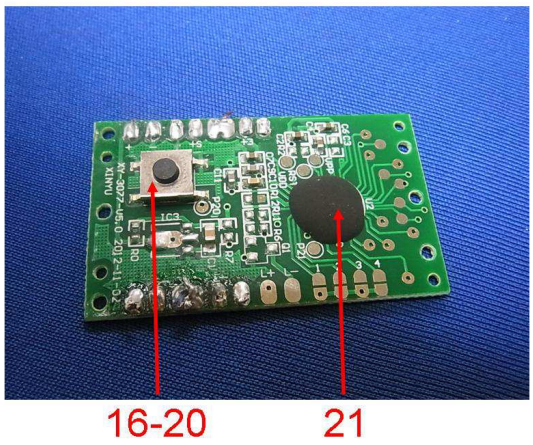


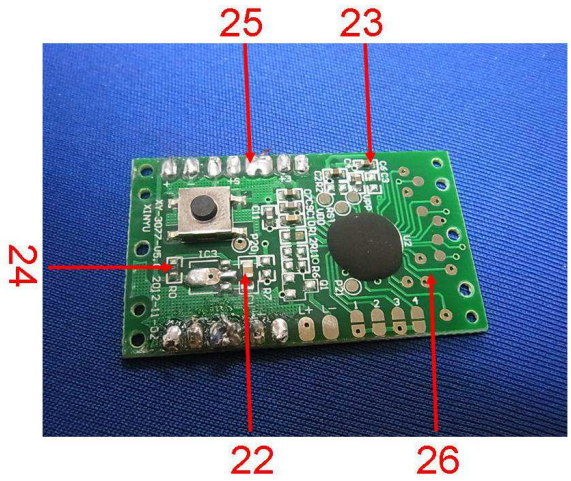








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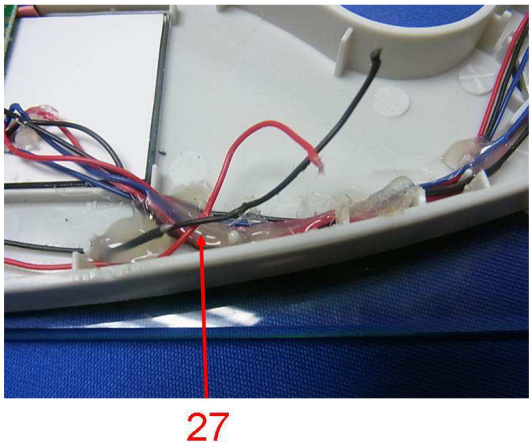
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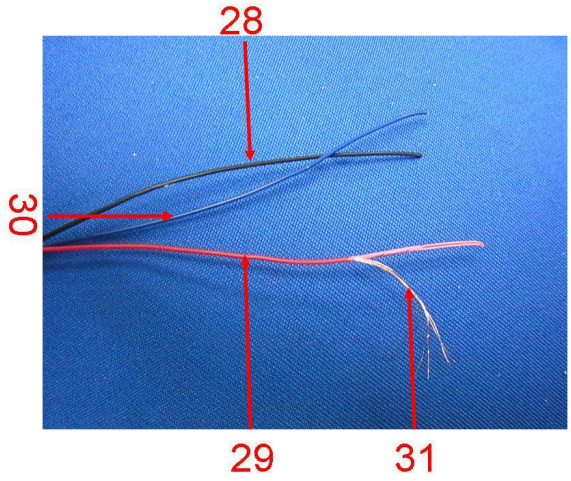
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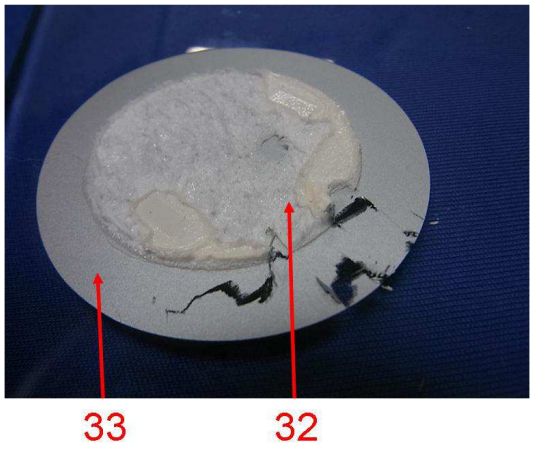
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Max.150kg d=100g
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TEST RESULT

Compliance Test - European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)

Test Method : See Appendix.

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
1	Black soft plastic with adhesive	Foot	-
2	Grey plastic	Base	-
3	Silvery metal	Tube	-
4	Silvery metal	Screw	-
5	Silvery plated coppery metal	Contact plate, battery box	-
6	Silvery solder	Battery box	-
7	Brown soft plastic with coppery metal	Sensor	-
8	Silvery metal	Sensor	-
9	Silvery solder	Sensor	-
10	White glue	Sensor	-
11	Pink/black soft plastic	Display	-
12	Silvery metal	Screw, PCB	-
13	Transparent glass	Display	-
14	Silvery soft plastic	Display	-
15	Transparent grey plastic with adhesive	Display	-
16	Silvery metal	Switch	-
17	Black plastic	Button, switch	-
18	Coppery metal	Contact plate, switch	-
19	Black plastic	Switch	-
20	Silvery plated golden metal	Pin, switch	-
21	Black body	Heat seal, PCB	-
22	Brown body	Large SMD capacitor, PCB	-
23	Brown body	SMD capacitor, PCB	-
24	Black/white body	SMD resistor, PCB	-
25	Silvery solder	Main PCB	-
26	Main PCB	-	-
27	Translucent glue	Wire	-
28	Black soft plastic	Wire jacket	-
29	Red soft plastic	Wire jacket	-
30	Blue soft plastic	Wire jacket	-
31	Coppery metal	Wire	-
32	White soft plastic with adhesive	Foot	-
33	Silvery coating	Panel	-
34	Transparent glass	Panel	-

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	mg/kg	-
Test Item(s)	-	-	-	-	-	-	-
1	ND	ND	ND	ND	ND	ND	PASS
2	ND	ND	ND	ND	ND	ND	PASS
3	ND	ND	ND	Negative*	NA	NA	PASS
4	ND	ND	ND	ND	NA	NA	PASS
5	ND	ND	ND	ND	NA	NA	PASS
6	ND	ND	ND	ND	NA	NA	PASS
7	ND	ND	ND	Negative*	ND	ND	PASS
8	ND	ND	ND	Negative*	NA	NA	PASS
9	ND	ND	ND	ND	NA	NA	PASS
10	ND	ND	ND	ND	ND	ND	PASS
11	ND	ND	ND	ND	ND	ND	PASS
12	ND	ND	ND	ND	NA	NA	PASS
13	ND	ND	ND	ND	NA	NA	PASS
14	ND	ND	ND	ND	ND	ND	PASS
15	ND	ND	ND	ND	ND	ND	PASS
16	ND	ND	ND	ND	NA	NA	PASS
17	ND	ND	ND	ND	ND	ND	PASS
18	ND	ND	ND	ND	NA	NA	PASS
19	ND	ND	ND	ND	ND	ND	PASS
20	ND	ND	ND	ND	NA	NA	PASS
21	ND	ND	ND	ND	ND*	ND*	PASS
22	ND	ND	ND	ND	ND	ND	PASS
23	ND	ND	ND	ND	ND	ND	PASS
24	<500	ND	ND	ND*	ND	ND	PASS
25	ND	ND	ND	ND	NA	NA	PASS
26	ND	ND	ND	ND	ND*	ND*	PASS
27	ND	ND	ND	ND	ND	ND	PASS
28	ND	ND	ND	ND	ND	ND	PASS
29	ND	ND	ND	ND	ND	ND	PASS
30	ND	ND	ND	ND	ND	ND	PASS
31	ND	ND	ND	ND	NA	NA	PASS
32	ND	ND	ND	ND	ND	ND	PASS
33	ND	ND	ND	ND	ND	ND	PASS
34	ND	ND	ND	ND	NA	NA	PASS

Note / Key:

ND = Not detected
NR = Not requested
% = percent
Detection Limit : See Appendix.

">" = Greater than
mg/kg = milligram(s) per kilogram = ppm = part(s) per million
10000 mg/kg = 1 %

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 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.

END

APPENDIX

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

No.	Name of Analytes	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	10[d] / See [e, h]	1000 / Negative[h]
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

NA = Not applicable

[a] Test method with reference to EN 62321: 2009, Clause 6.

[b] Test method with reference to EN 62321: 2009, Clauses 8, 9 and 10.

[c] Test method with reference to EN 62321: 2009, Clause 7.

[d] Test method with reference to EN 62321: 2009, Annex C.

[e] Test method with reference to EN 62321: 2009, Annex B[g].

[f] Test method with reference to EN 62321: 2009, Annex A.

[g] The principle of this method was evaluated and supported by two studies organized by IEC TC 111 WG3. These studies were focused on detecting the presence of Cr VI in the corrosion protection coatings on metallic samples.

[h] 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 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 Council Directive 2011/65/EU, Article 4(1).

Testing Approach [Compliance Test for European Council Directive 2011/65/EU] :	
The testing approach was with reference to the following document(s).	
1	"RoHS Enforcement Guidance Document Version 1" by EU RoHS Enforcement Authorities Informal Network. (May 2006)
2	"RoHS Regulations - Government Guidance Notes" by United Kingdom Department for Business Innovation & Skills. (February 2011)
3	"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)