



**BUREAU
VERITAS**

TEST REPORT

LAB NO. : (9315)140-1011
DATE : Jun 05, 2015
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APPLICANT : **FLASHBAY ELECTRONICS (SHENZHEN) CO., LTD**
BLDG B, XIFENGCHENG INDUSTRIAL PARK, NO. 2 FUYUAN
RD, 2ND HIGH-TECH AREA, HEPING, FUYONG, BAOAN,
SHENZHEN 518103, GUANGDONG, CHINA

CONTACT PERSON : Sammy Ren

DATE OF SUBMISSION : May 20, 2015

TEST PERIOD : May 25, 2015 to Jun 05, 2015

NO. OF WORKING DAYS : 10

SAMPLE DESCRIPTION : Gauge USB Flash Drive

Color: /

Style no. / Model no.: GU

P.O. No.: /

Country of Origin: /

Country of Destination: /

MANUFACTURER : **FLASHBAY ELECTRONICS (SHENZHEN) CO., LTD**
BLDG B, XIFENGCHENG INDUSTRIAL PARK, NO. 2 FUYUAN
RD, 2ND HIGH-TECH AREA, HEPING, FUYONG, BAOAN,
SHENZHEN 518103, GUANGDONG, CHINA

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	

LA

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

NINA REN
SECTION MANAGER

REMARK

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

- | | |
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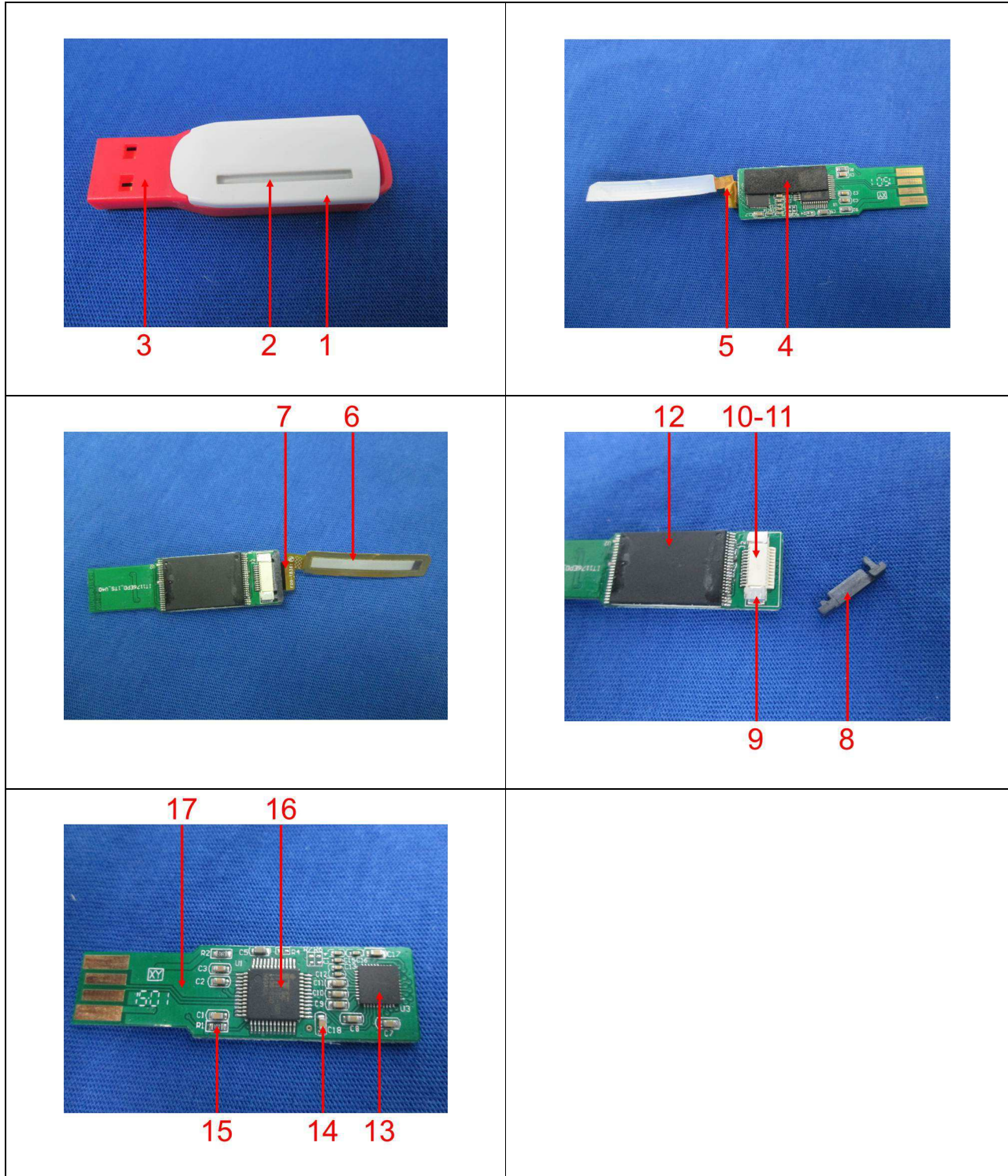


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Photo of the Submitted Sample



Photograph of test item(s)





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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	White plastic	Case	
2	Transparent plastic	Case	
3	Red plastic	Case	
4	Black foam w/adhesive	Cushion	
5	Transparent /brown plastic w/silvery metal	Flat	
6	Silvery/brown plastic w/golden metal		
7	Black plastic	Flat	
8	Black plastic	Socket	
9	Silvery plated golden metal	Connector	
10	Beige plastic	Socket	
11	Silvery plated golden metal	Pin, connector	
12	Black body	IC"u2"	
13	Black body	IC"u3"	
14	Brown body	SMD Capacitor	
15	Black white body	SMD Resistor	
16	Black body	IC"u1"	
17	Green PCB	PCB	

See Analytes and their corresponding Maximum Allowable Limit in Appendix

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	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	ND	ND	ND	PASS
4	ND	ND	ND	ND	ND	ND	PASS
5	ND	ND	ND	ND	ND	ND	PASS
6	ND	ND	ND	ND	ND	ND	PASS
7	ND	ND	ND	ND	ND	ND	PASS
8	ND	ND	ND	ND	ND	ND	PASS
9	ND	ND	ND	ND	NA	NA	PASS
10	ND	ND	ND	ND	ND	ND	PASS
11	ND	ND	ND	ND	NA	NA	PASS
12	ND	ND	ND	ND	ND	ND	PASS
13	ND	ND	ND	ND	ND	ND	PASS
14	ND	ND	ND	ND	ND	ND	PASS
15	ND	ND	ND	ND	ND	ND	PASS
16	ND	ND	ND	ND	ND	ND	PASS
17	ND	ND	ND	ND	ND*	ND*	PASS

Note / Key :

ND = Not detected
 NR = Not requested

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

NA = Not Applicable



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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 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]	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, j]	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

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

^[b] Test method with reference to International Standard IEC 62321-3-5: 2013.

^[c] Test method with reference to International Standard IEC 62321-3-4: 2013.

^[d] Polymers and Electronics - Test method with reference to European Standard EN 62321: 2009, Annex C.

^[e] Metal - Test method with reference to European Standard EN 62321: 2009, Annex B^[i].

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

^[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] 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. 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).

^[j]



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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)