

FLASHBAY ELECTRONICS

Technical Report:	(8819)338-0056(R1)		Oct 30, 2020
Date Received:	Dec 4, 2019		Page 1 of 7
FLASHBAY ELECTRONICS BUILDING 2, JIXUN INDUS VILLAGE, SHATIAN TOWN, HUIZHOU CITY, GUANGDC P.R.CHINA	FRIAL PARK, DONG'AO HUIYANG DISTRICT,		
Sample Description: Vendor: Manufacturer:	BOTTLE N/A N/A	Sample Size: Style No(s):	43 WAVE, PACIFIC, REFRESH, FIT, SHAKER.
Labeled Age Grade:	NOT RECORD	SKN/SKU No.:	NOT PROVIDE
Appropriate Age Grade:	NOT REQUESTED	PO No.:	NOT PROVIDE
Client Specified Age Grade:	NOT SPECIFIED	Ref #:	NOT PROVIDE
Tested Age Grade:	N/A	Country of Origin:	NOT PROVIDE
UPC Code:	N/A	Assortment No.:	NOT PROVIDE
Test Starting Date:	DEC 4, 2019	Test Finished Date:	OCT 30, 2020

EXECUTIVE SUMMARY:

The sample(s) MEETS the following requirement(s):

- The heavy metals and flame retardants content requirements of the 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 Amendment Directive 2015/863/EU.
- The BBP/DBP/DEHP/DIBP content requirements of the 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 Amendment Directive 2015/863/EU.
- Note: The composite test sample(s) of the submitted samples was prepared in the manner requested by the client, when subject to the test performed.



BUREAU VERITAS SHENZHEN CO., LTD DONGGUAN BRANCH

Harvey Xue Manager, Analytical Lab

RT/Tina Ye REMARK

If there are questions or concerns on this report, please contact the following persons: (86) 0769 89952999 Ext. 8175 CPSAnalytical.DG@bureauveritas.com Report Enquiry: **Business Contact:** (86) 0769 85893595 This report shall not be reproduced except in full, without the written approval of our laboratory.

Bureau Veritas Shenzhen Co., Ltd., Dongguan Branch No.96, Houjie, Guantai Road., Houjie, Dongguan,Guangdong, China Tel: +86-769-89982098 Fax: +86-769-85991080 www.bureauveritas.com/cps

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FLASHBAY ELECTRONICS Technical Report: **(8819)338-0056(R1)** Oct 30, 2020 Page 2 of 7

Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
1001	Clear plastic	Suction nozzle	1
1002	Blue soft plastic	Suction nozzle plug	1
1003	Transparent soft plastic	Seal ring	1,2,3,4
1004	Transparent white plastic	Straw	1
1005	Red plastic	Cap	-
1006	Transparent plastic	Bottle	1,2
1007	White soft plastic	Suction nozzle plug & ferrule	1,2,3,4
1008	Translucent plastic	Bottle	3,4
1009	Red plastic	Lid	-

Remark:

- The items 005 was resubmitted by client dated on Jan 14, 2020.
- The items 009 was provided by client dated on Oct 26, 2020.



FLASHBAY ELECTRONICS Technical Report: **(8819)338-0056(R1)** Oct 30, 2020 Page 3 of 7

RESULTS:

TetraBDE

PentaBDE

HexaBDE

HeptaBDE

OctaBDE

NonaBDE

DecaBDE

Conclusion

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

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Heavy Metals and 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 Amendment Directive 2015/863/EU

Test Method : See Appendix. See Analytes (Parameter) Type I Metallic material and their corresponding Type II Glass or ceramic material Maximum Allowable Limit Type III Other non-metallic material except Type II (Req.) in Result Table Unit Req. Result 1007+1008 Test Item(s) 1001+1002+1003 1004+1006 1005 1009 -Туре -Ш Ш Ш Ш Ш Ш Parameter Lead (Pb) 1000 ND ND ND ND ND mg/kg Cadmium (Cd) 100 ND ND ND ND ND mg/kg 1000 ND ND ND ND ND Mercury (Hg) mg/kg Chromium VI (Cr VI) mg/kg 1000 ND ND ND ND ND PBBs 1000 ND ND ND ND ND mg/kg MonoBB ND ND ND ND ND mg/kg -DiBB ND ND ND ND ND mg/kg _ TriBB ND ND ND ND ND mg/kg -ND ND ND ND ND TetraBB mg/kg _ PentaBB ND ND ND ND ND mg/kg _ ND ND HexaBB _ ND ND ND mg/kg HeptaBB mg/kg _ ND ND ND ND ND ND ND OctaBB _ ND ND ND mg/kg NonaBB ND ND ND ND ND mg/kg _ DecaBB _ ND ND ND ND ND mg/kg PBDEs 1000 ND ND ND ND ND mg/kg ND ND MonoBDE _ ND ND ND mg/kg DiBDE ND ND ND ND ND mg/kg -TriBDE _ ND ND ND ND ND mg/kg

ND

ND

ND

ND

ND

ND

ND

PASS



FLASHBAY ELECTRONICS Technical Report: **(8819)338-0056(R1)** Oct 30, 2020 Page 4 of 7

RESULTS:

Note / key:

ND = Not detected ">" = Greater than Reg. = Requirement NR = Not requested mg/kg = milligram(s) per kilogram = ppm = part(s) per million NA = Not Applicable 10000 mg/kg = 1 % % = percent Detection Limit (mg/kg) : Each (Pb, Cd & Hg) 10 For Type I: For Type II: Each (Pb, Cd, Hg & Cr VI) 10 For Type III: Polymers & Electronics - Each (Pb, Cd, Hg & Cr VI): 10; Each (PBBs & PBDEs): 50 Others - Each (Pb, Cd & Hg): 10; Cr VI: 3.0; Each (PBBs & PBDEs): 50

Remark:

- The list of analytes is summarized in table of Appendix.
- 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.



FLASHBAY ELECTRONICS Technical Report: (8819)338-0056(R1) Oct 30, 2020 Page 5 of 7

APPENDIX:

List of	List of Analytes and their Corresponding Test Methods [European Council Directive 2011/65/EU] :					
No.	Name of Analytes Test Method(s)					
1	Lead (Pb)	With reference to International Standard IEC 62321- 5: 2013.				
2	Cadmium (Cd)					
3	Mercury (Hg)	With reference to International Standard IEC 62321- 4: 2017.				
4	Chromium VI (Cr VI)	Metal : With reference to International Standard IEC 62321- 7-1: 2015. Polymers and Electronics : With reference to European Standard EN 62321-7-2: 2017. Leather : International Standard ISO 17075-1:2017. Other than Metal, Leather, Polymers and Electronics: With reference to International Standard ISO 17075- 1:2017.				
5	Polybromobiphenyls (PBBs) - Bromobiphenyl (MonoBB) - Dibromobiphenyl (DiBB) - Tribromobiphenyl (TriBB) - Tetrabromobiphenyl (TetraBB) - Pentabromobiphenyl (PentaBB) - Hexabromobiphenyl (HexaBB) - Heptabromobiphenyl (HeptaBB) - Octabromobiphenyl (OctaBB) - Nonabromobiphenyl (NonaBB) - Decabromobiphenyl (DecaBB)	With reference to International Standard IEC 62321-				
6	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)	6: 2015.				
[a]		borted by two studies organized by IEC TC 111 WG3. Ice of Cr VI in the corrosion protection coatings on				



FLASHBAY ELECTRONICS Technical Report: (8819)338-0056(R1) Oct 30, 2020 Page 6 of 7

RESULTS:

BBP/DBP/DEHP/DIBP 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 Amendment Directive 2015/863/EU

Test Method : With reference to International Standard IEC 62321-8:2017						
Test Parameter:	BBP	DBP	DEHP	DiBP	-	
Limit (%):	0.1	0.1	0.1	0.1	-	
Test Item(s)	Result (%)				Conclusion	
1001+1002+1003	ND	ND	ND	ND	PASS	
1004+1006	ND	ND	ND	ND	PASS	
1005	ND	ND	ND	ND	PASS	
1007+1008	ND	ND	ND	ND	PASS	
1009	ND	ND	ND	ND	PASS	

Note / key:

BBP = Butyl benzyl phthalate (CAS No: 85-68-7) DEHP = Di(2-ethylhexyl) phthalate (CAS No: 117-81-7)

ND = Not detected % = percent

mg/kg = milligram(s) per kilogram

Detection Limit (%) : Each 0.005

DBP = Dibutyl phthalate (CAS No: 84-74-2) DiBP = Diisobutyl phthalate (CAS No: 84-69-5) 10000 mg/kg = 1 %

Remark:

- The amendment will be effective on 22 July 2019. For medical devices and control instruments, effective date will be 22 July 2021.
- This report is to Supersede BV(Dong guan) report No. (8819)338-0056 dated on Feb 24, 2020. -



FLASHBAY ELECTRONICS Technical Report: **(8819)338-0056(R1)** Oct 30, 2020 Page 7 of 7

RESULTS:





END OF REPORT