



Test Report

Date : 2017-09-27
No. : DE17090109

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Applicant(Code: FOH001) : MYPHONE (HK) Limited
Unit205C, 2/F, IC Development entre, No.6 Science Park West
Avenue, Hong Kong Science Park, Shatin, N.T. Hong Kong

Description of Sample(s) : Sample(s) received is/ are stated to be:
Zoemspray - water repellent spray for electronics

Date Sample(s) Received : 2017-09-15

Date Tested : 2017-09-15 to 2017-09-21

Result Summary:

No	Test Requested	Conclusion	Remark
1	Heavy metals and flame retardants content - European Council Directive 2011/65/EU on the restriction of the use of certain Hazardous substances in electrical and electronic equipment (RoHS 2.0)	PASS	-



Yan Liang, Sky
Authorized Signatory
Chemical, Food and Pharmaceutical Department
For and on behalf of
STC (Dongguan) Company Ltd.

STC (Dongguan) Company Limited

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RESULT(S):

HEAVY METALS AND FLAME RETARDANTS CONTENT - EUROPEAN COUNCIL DIRECTIVE 2011/65/EU ON THE RESTRICTION OF THE USE OF CERTAIN HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (ROHS 2.0)

Method(s) Used: Refer to appendix

Sample Identity	Item/ Component Description		Style					
1	Zoemspray - water repellent spray for electronics		-					
Maximum Allowable Limit	Type I	Metallic material: Lead (Pb): 1000mg/ kg, Cadmium (Cd): 100mg/ kg, Mercury (Hg): 1000mg/ kg, Chromium VI (Cr VI): Negative						
	Type II	Glass or ceramic material: Lead (Pb): 1000mg/ kg, Cadmium (Cd): 100mg/ kg, Mercury (Hg): 1000mg/ kg, Chromium VI (Cr VI): 1000mg/ kg						
	Type III	Other non-metallic material except Type II Lead (Pb): 1000mg/ kg, Cadmium (Cd): 100mg/ kg, Mercury (Hg): 1000mg/ kg, Chromium VI (Cr VI): 1000mg/ kg, PBBs: 1000mg/ kg, PBDEs: 1000mg/ kg						
Test Item(s)	Type	Result (mg/ kg)						Conclusion
		Pb	Cd	Hg	CrVI	PBBs	PBDEs	
1	III	ND	ND	ND	ND	ND	ND	Pass

Note(s):

- ND = Not detected
- NR = Not requested
- NA = Not Applicable
- mg/kg = milligram per kilogram = ppm = parts per million
- Detection Limit:
 - For Type I - Each (Pb, Cd & Hg) 10mg/ kg
 - For Type II - Each (Pb, Cd, Hg & Cr VI) 10mg/ kg
 - For Type III - Each (Pb, Cd, Hg & Cr VI) 10mg/ kg; Each PBBs 50mg/ kg; Each PBDEs 50mg/ kg

Remark(s):

- 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).

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APPENDIX

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 IEC 62321-5 (2013)
2	Cadmium (Cd)	
3	Mercury (Hg)	With reference to IEC 62321-4 (2013)
4	Chromium VI (Cr VI)	Metal : With reference to IEC 62321-7-1(2015) Polymers & Electronics With reference to IEC 62321:2008, Annex C.
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 IEC 62321-6(2015)
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)	

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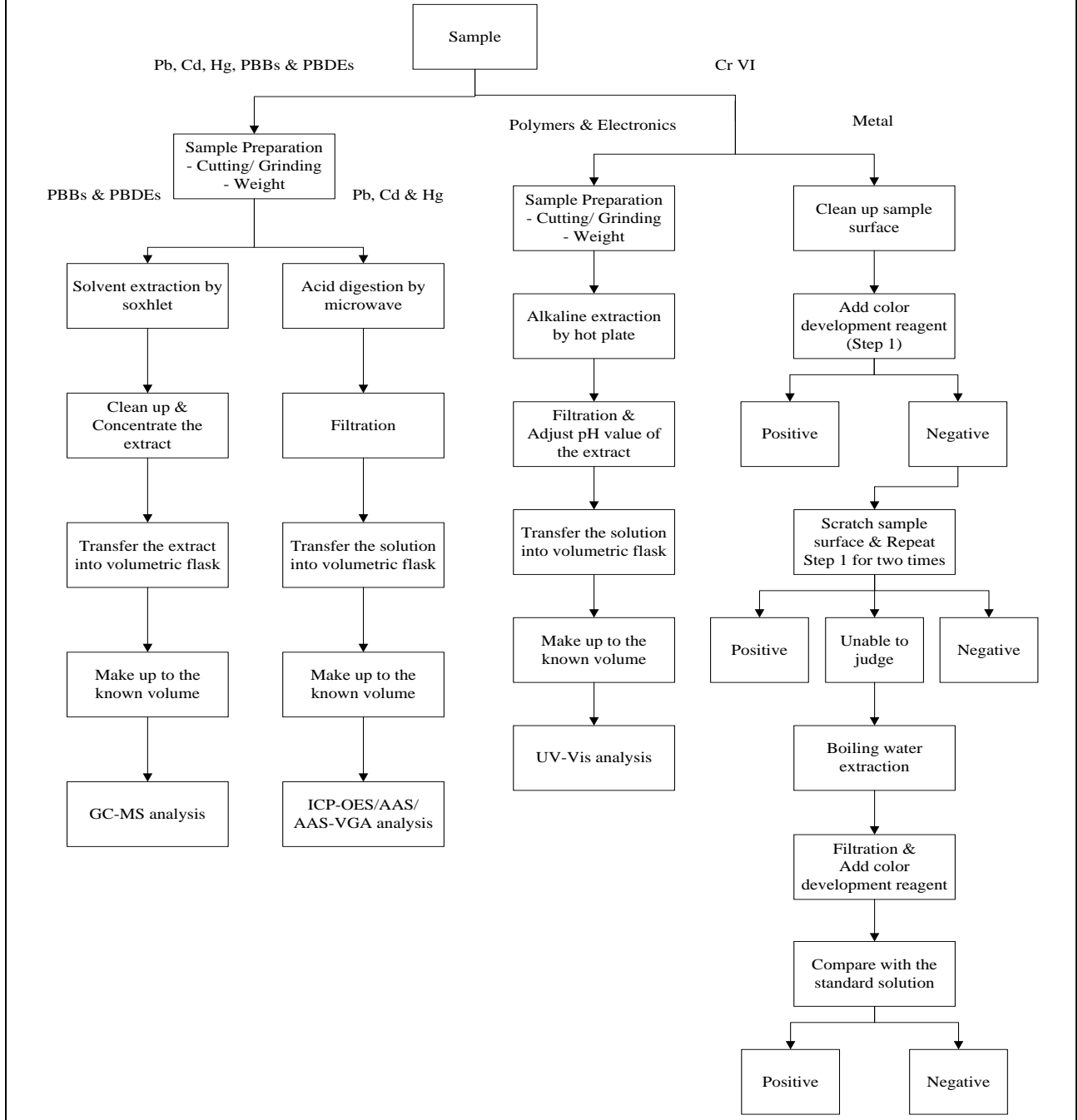
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Test Flowchart of Heavy Metals and Flame Retardants Content [European Council Directive 2011/65/EU] :



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PHOTO(S):



***** END OF TEST REPORT *****

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