

TEST REPORT

Report No. : GR:HL:5480033887

DATE : 02nd January, 2015



GUAGE

1023/140,20th MAIN, 5th BLOCK RAJAJINAGAR, WEST OF CORD ROAD
BANGALORE-560010
INDIA

CONTACT PERSON : MR. JAIN

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS :

SAMPLE DESCRIPTION	SPRAYWAY SPOT LIFTER
REFERENCE NO.	SPRAYWAY 833
COUNTRY OF ORIGIN	INDIA
SAMPLE RECEIVING DATE	17/12/2014
TEST PERFORMING DATE	18/12/2014 TO 02/01/2014

TEST REQUESTED : Selected test (s) as requested by client.

TEST METHOD : Please refer to next page(s).

TEST RESULTS: Please refer to next page(s).

CONCLISION : Based on the performed tests on selected part of submitted samples , the result of lead,mercury,cadmium, Hexavalent Chromium, Polybrominated Biphenyls (PBB), Polybrominated Diphenylethers (PBDEs) comply with the limits as set by by ROHS Directive 2011/65/EU Annex11: recasting 2002/95/EC

Per Pro SGS India Pvt Ltd.

Subasini Saraswat
Asst. Manager

Email your Test Report Related Enquiries at Feedback.HLT@sgs.com

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ID for sample : 5480033887
Description for sample : SPRAYWAY SPOT LIFTER(INSIDE LIQUID)

Test Results:

Test Item(s):	Unit	Test Method	Results	MDL	Limit
			Sample-1		
Cadmium(Cd)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Cd by ICP-OES)	n.d.	5	100
Lead (Pb)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Pb by ICP-OES)	n.d.	5	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321-4:2013 (Determination of Hg by ICP-OES)	n.d.	5	1000
Hexavalent Chromium (CrVI)	mg/kg	With reference to IEC 62321:2008 (Determination of CrVI by UV-VIS)	n.d.	2	1000
Sum of PBBs	mg/kg	With reference to IEC 62321:2008 (Determination of PBB by GC-MS)	n.d.	-	1000
Monobromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBB by GC-MS)	n.d.	50	-
Dibromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBB by GC-MS)	n.d.	50	-
Tribromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBB by GC-MS)	n.d.	50	-
Tetrabromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBB by GC-MS)	n.d.	50	-
Hexabromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBB by GC-MS)	n.d.	50	-
Pentabromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBB by GC-MS)	n.d.	50	-
Heptabromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBB by GC-MS)	n.d.	50	-
Octabromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBB by GC-MS)	n.d.	50	-
Nonabromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBB by GC-MS)	n.d.	50	-
Decabromobiphenyl	mg/kg	With reference to IEC 62321:2008 (Determination of PBB by GC-MS)	n.d.	50	-
Sum of PBDEs	mg/kg	With reference to IEC 62321:2008 (Determination of PBDEs by GC-MS)	n.d.	-	1000
Monobromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 (Determination of PBDEs by GC-MS)	n.d.	50	-

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Test Item(s):	Unit	Test Method	Results	MDL	Limit
			Sample-1		
Dibromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 (Determination of PBDEs by GC-MS)	n.d.	50	-
Tribromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 (Determination of PBDEs by GC-MS)	n.d.	50	-
Tetrabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 (Determination of PBDEs by GC-MS)	n.d.	50	-
Pentabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 (Determination of PBDEs by GC-MS)	n.d.	50	-
Hexabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 (Determination of PBDEs by GC-MS)	n.d.	50	-
Heptabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 (Determination of PBDEs by GC-MS)	n.d.	50	-
Octabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 (Determination of PBDEs by GC-MS)	n.d.	50	-
Nonabromodiphenyl ether	mg/kg	With reference to IEC 62321:2008 (Determination of PBDEs by GC-MS)	n.d.	50	-
Decabromodiphenyl ether##	mg/kg	With reference to IEC 62321:2008 (Determination of PBDEs by GC-MS)	n.d.	50	-

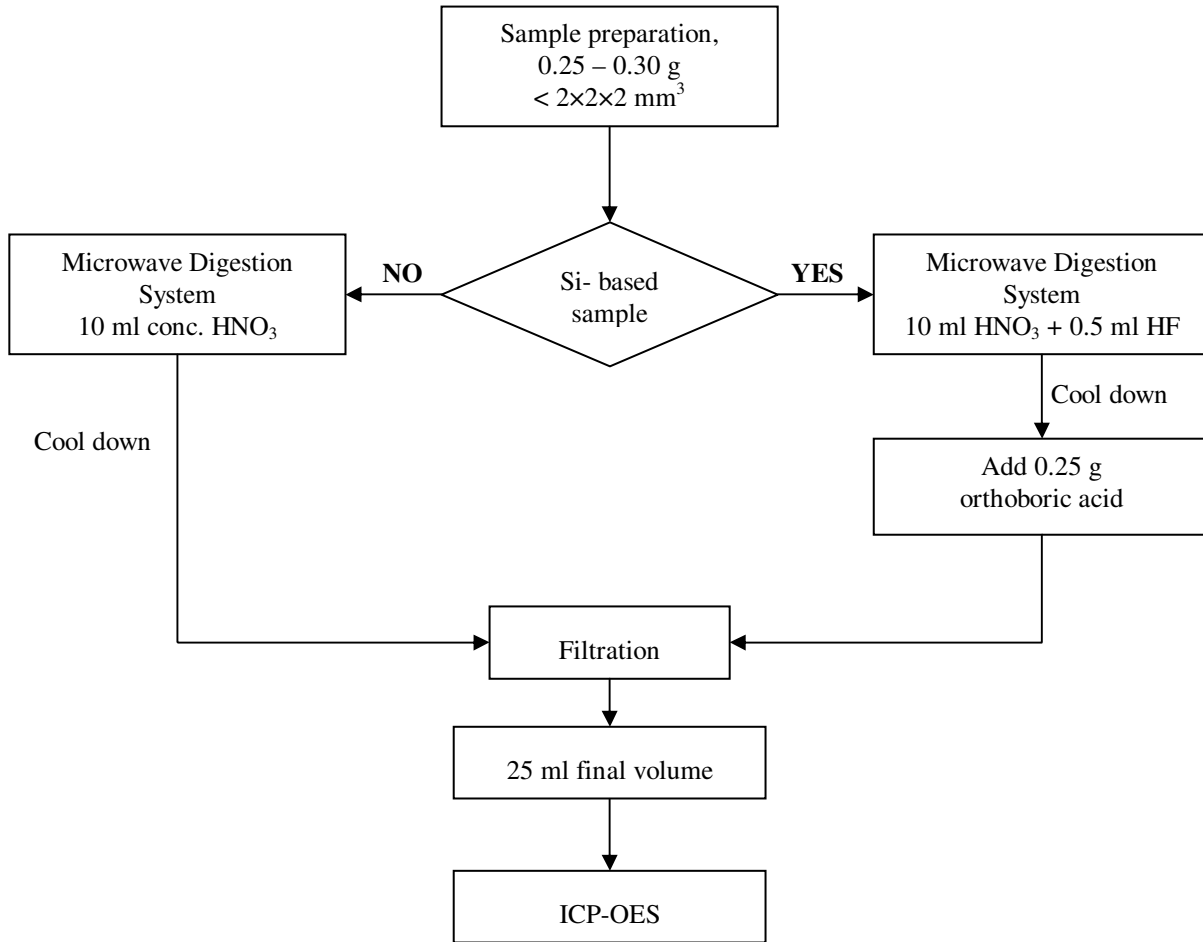
NOTE :

- (a) mg/kg = ppm ; 0.1wt% = 1000ppm
- (b) n.d.= not detected
- (c) MDL = Method Detection Limit
- (d) ## = The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE is included in the sum of PBDE after 01.07.2008
- (e) - = not regulated

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Process Flow for analysis of metal contents in plastics, metals and electronic components sample

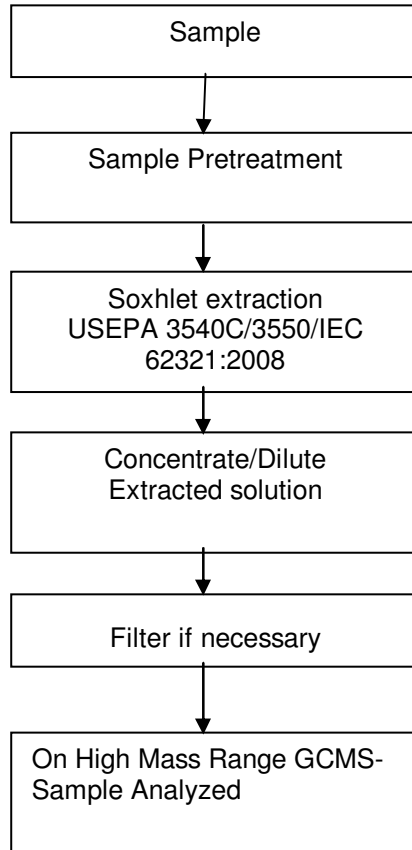


Analyzed by : MS. Suman Mandrwal

Checked By : Mr. Kapil Patil



Process Flow for analysis of Flame Retardants in plastics, metals and electronic components sample

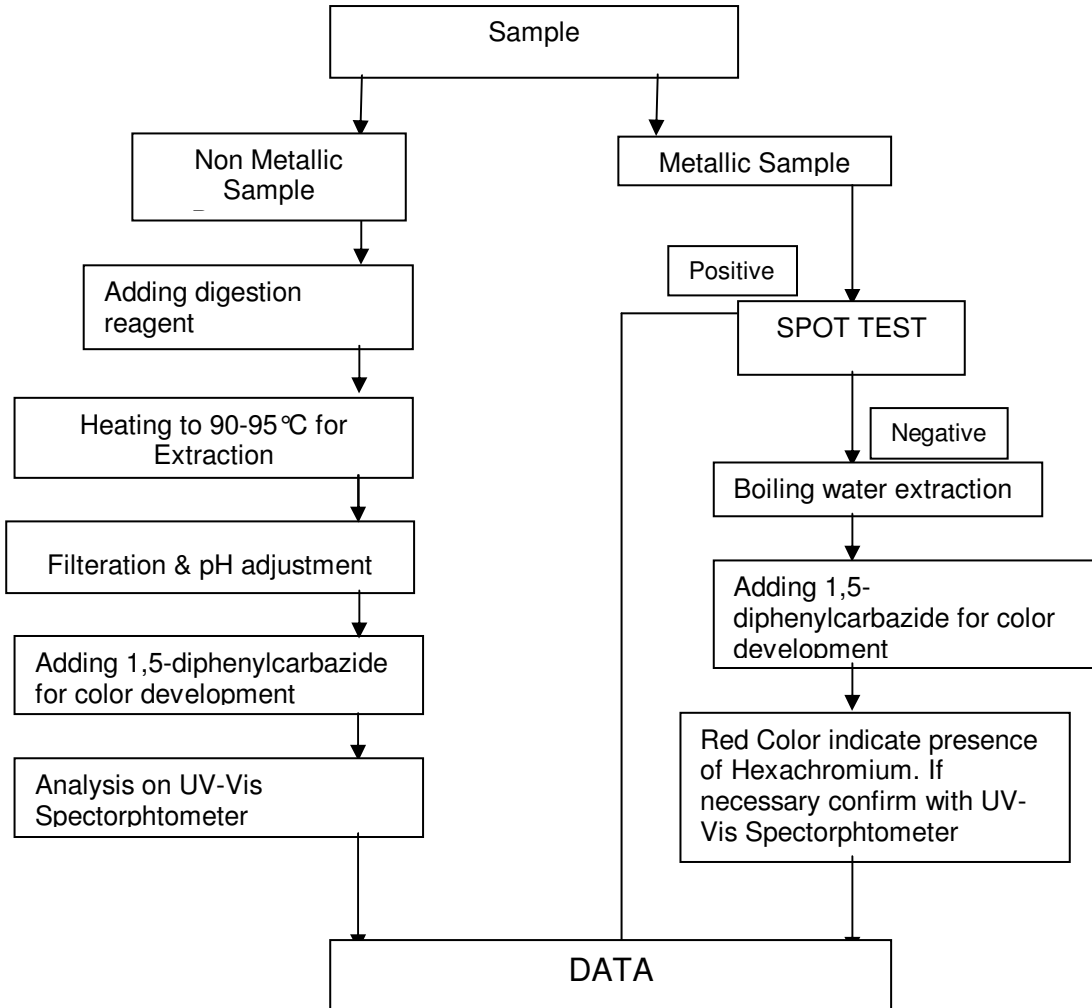


Analyzed by : MS. Suman Mandrwal

Checked By : Mr. Kapil Patil



Process Flow for analysis of Hexachromium contents in plastics, metals and electronic components sample



Analyzed by : MS. Suman Mandrwal

Checked By : Mr. Kapil Patil

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Sample as Received



**** End of Report****

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