



TEST REPORT

To : OPC RESOURCES
78 Tingkat Binjai 12,
Taman Sri Rambai,
14000 Bukit Mertajam, Pulau Pinang,
Malaysia.

Report No. : IP1507-0321

Page No : 1 of 5

Date of Issue : 03/08/2015

Attn: Mr. P.C. Ooi (Eric)

The following sample(s) was(were) identified by the customer as :

REMOS INSECT REPELLENT SPRAY

Date of Sample Received : 27/07/2015

Date of Testing : 27/07/2015 to 03/08/2015

Objective :

Determination of Cadmium, Lead, Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBBS) and Polybrominated Diphenyl Ethers (PBDEs) in accordance with EU Directive 2011/65/EU (RoHS).

Conclusion :

Test Required	Compliance
EU Directive 2011/65/EU (RoHS) (Cd, Pb, Hg, Cr6+, PBBS and PBDEs)	Comply

Remark : Sampled and submitted by OPC RESOURCES

Test Performed by : Bong Shin Yuan/Nurul Fitriyah

Signed for and on behalf of
NM LABORATORY SDN. BHD.

Liang Mei Keat, PhD., AMIC
Consulting Chemist
IKM No. A/3154/5957/11



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Standard Method / Equipment / Technique Description:

Method Ref.No.	Standard Method	Method Description/Title
M-1	USEPA Method 3052	Microwave assisted acid digestion of siliceous and organically based matrices
	USEPA Method 6010C	Inductively Coupled Plasma-Atomic Emission Spectroscopy
M-2	USEPA METHOD 3060A	Alkaline digestion for Hexavalent Chromium
	USEPA METHOD 7196A	Chromium Hexavalent-Colorimetric measurement by UV/Vis Spectroscopy
M-3	USEPA METHOD 3540C	Soxhlet Extraction
	GC-MS	Gas Chromatography - Mass Spectrometry

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**Customer** : OPC RESOURCES**Date Of Issue** : 03/08/2015**Report No.** : IP1507-0321**Page No.** : 3 of 5**Test Results(s) :**

Parameter	Result	Unit	Method Ref. No	MDL; mg/kg	ROHS Limit; mg/kg
Cadmium (as Cd)	ND(<0.5)	mg/kg	M-1	0.5	100
Lead (as Pb)	ND(<1)	mg/kg	M-1	1	1000
Mercury (as Hg)	ND(<5)	mg/kg	M-1	5	1000
Hexavalent Chromium	ND(<1)	mg/kg	M-2	1	1000
Monobromobiphenyl	ND(<5)	mg/kg	M-3	5	-
Dibromobiphenyl	ND(<5)	mg/kg	M-3	5	-
Tribromobiphenyl	ND(<5)	mg/kg	M-3	5	-
Tetrabromobiphenyl	ND(<5)	mg/kg	M-3	5	-
Pentabromobiphenyl	ND(<5)	mg/kg	M-3	5	-
Hexabromobiphenyl	ND(<5)	mg/kg	M-3	5	-
Heptabromobiphenyl	ND(<5)	mg/kg	M-3	5	-
Octabromobiphenyl	ND(<5)	mg/kg	M-3	5	-
Nonabromobiphenyl	ND(<5)	mg/kg	M-3	5	-
Decabromobiphenyl	ND(<5)	mg/kg	M-3	5	-
Sum of PBBs	-	-	-	-	1000
Monobromodiphenyl ether	ND(<5)	mg/kg	M-3	5	-
Dibromodiphenyl ether	ND(<5)	mg/kg	M-3	5	-
Tribromodiphenyl ether	ND(<5)	mg/kg	M-3	5	-
Tetrabromodiphenyl ether	ND(<5)	mg/kg	M-3	5	-
Pentabromodiphenyl ether	ND(<5)	mg/kg	M-3	5	-
Hexabromodiphenyl ether	ND(<5)	mg/kg	M-3	5	-
Heptabromodiphenyl ether	ND(<5)	mg/kg	M-3	5	-
Octabromodiphenyl ether	ND(<5)	mg/kg	M-3	5	-
Nonabromodiphenyl ether	ND(<5)	mg/kg	M-3	5	-
Decabromodiphenyl ether	ND(<5)	mg/kg	M-3	5	-
Sum of PBDEs	-	-	-	-	1000

Signed for and on behalf of
NM LABORATORY SDN. BHD.Liang Mei Keat, PhD., AMIC
Consulting Chemist
IKM No. A/3154/5957/11



NM Laboratory Sdn Bhd

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Note(s) : The test portion was Totally Dissolved for Cadmium, Lead & Mercury Test by using pre-conditioning method as mentioned above.

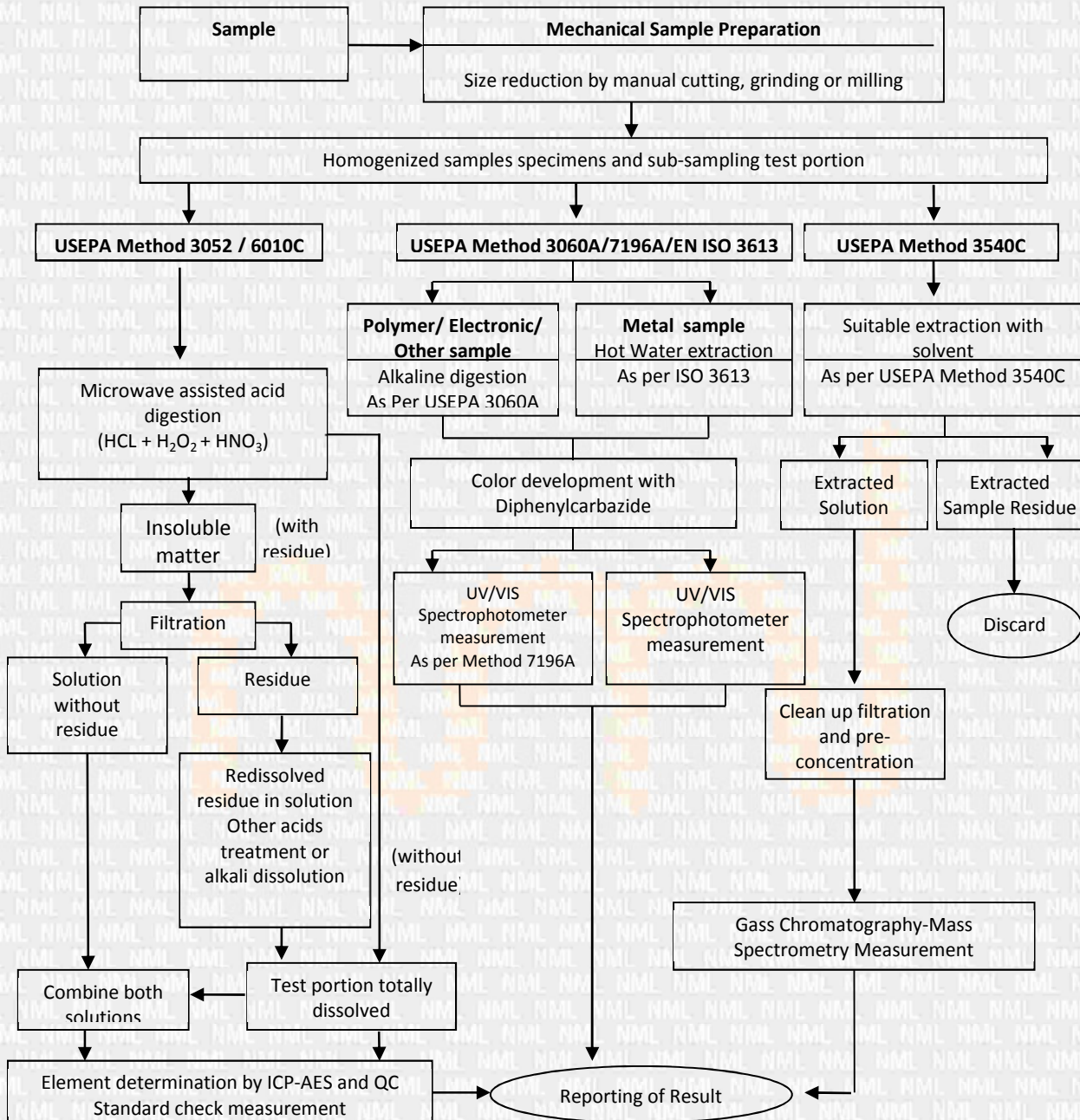
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Flow chart for USEPA Method 3052 / 6010C/ USEPA Method 3060A/7196A/EN ISO 3613/ USEPA Method 3540C



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- End of Report -



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