

Test Report

Report No. RLSHF001373230007

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Applicant JIANGSU HONGDA NEW MATERIAL CO.,LTD.,
JIANGSU HONGDA NEW MATERIAL CO.,LTD. CHUNYUAN BRANCH,
YANGZHONG PEARL SILICONE RUBBER MATERIAL CO.,LED.

Address MINGZHU SQUARE ,YANGZHONG CITY,JIANGSU,CHINA

The following sample(s)and sample information was/were submitted and identified by/on the behalf of the client

Sample Name SILICONE RUBBER
Part No. HD-78 SERIES(10-90 HARDNESS)
Sample Received Date Feb.21,2013
Testing Period Feb.21,2013 to Mar.4,2013
Test Requested As specified by client, to test Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium (Cr(VI)) , Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs) , Phthalates, Hexabromocyclododecane (HBCDD) in the submitted sample(s).

Test Method

Tested Item(s)	Test Method	Measured Equipment(s)	M.D.L.
Lead (Pb)/ Cadmium (Cd)	IEC 62321:2008 Ed.1 Sec.8	ICP-OES	2 mg/kg
Mercury (Hg)	IEC 62321:2008 Ed.1 Sec.7	ICP-OES	2 mg/kg
Hexavalent Chromium (Cr(VI))	IEC 62321:2008 Ed.1 Annex C	UV-Vis	2 mg/kg
Polybrominated Biphenyls (PBBs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5 mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5 mg/kg
Phthalates	Refer to EN 14372:2004	GC-MS	50mg/kg
Hexabromocyclododecane (HBCDD)	Refer to US EPA3550C:2007	GC-MS	5mg/kg

Test Result(s) Please refer to the following page(s).

Tested by Verna chen Reviewed by Wey Zhong
Approved by Joy Su Date Mar.5,2013



Joy Su
Senior Laboratory Manager

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Test Result(s)

Tested Item(s)	Result
Lead (Pb) * ¹	N.D.
Cadmium (Cd) * ¹	N.D.
Mercury (Hg) * ¹	N.D.
Hexavalent Chromium (Cr(VI)) * ¹	N.D.

Tested Item(s)	Result
Polybrominated Biphenyls(PBBs) *¹	
Monobromobiphenyl	N.D.
Dibromobiphenyl	N.D.
Tribromobiphenyl	N.D.
Tetrabromobiphenyl	N.D.
Pentabromobiphenyl	N.D.
Hexabromobiphenyl	N.D.
Heptabromobiphenyl	N.D.
Octabromobiphenyl	N.D.
Nonabromobiphenyl	N.D.
Decabromobiphenyl	N.D.
Polybrominated Diphenyl Ethers(PBDEs) *¹	
Monobromodiphenyl ether	N.D.
Dibromodiphenyl ether	N.D.
Tribromodiphenyl ether	N.D.
Tetrabromodiphenyl ether	N.D.
Pentabromodiphenyl ether	N.D.
Hexabromodiphenyl ether	N.D.
Heptabromodiphenyl ether	N.D.
Octabromodiphenyl ether	N.D.
Nonabromodiphenyl ether	N.D.
Decabromodiphenyl ether	N.D.

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Tested Item(s)	CAS No.	EC No.	Result
Phthalates*²			
Dibutyl phthalate (DBP)	84-74-2	201-557-4	N.D.
Benzylbutyl phthalate (BBP)	85-68-7	201-622-7	N.D.
Bis(2-ethyl(hexyl)) phthalate (DEHP)	117-81-7	204-211-0	N.D.

Tested Item(s)	Result
Hexabromocyclododecane (HBCDD) * ²	N.D.

Tested Sample/Part Description Translucent silicon rubber

Note: The sample had been dissolved totally tested for Lead, Cadmium, Mercury.

-M.D.L. = Method Detection Limit -N.D. = Not Detected (<M.D.L.)

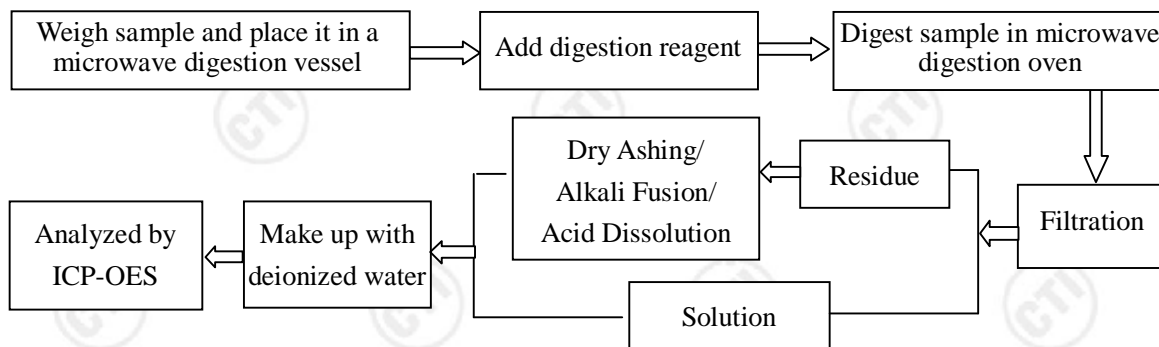
-mg/kg = ppm = parts per million

-*¹=The test result(s) is/are presented in reference to the result(s) that reported in **RLSHF001373230001.**

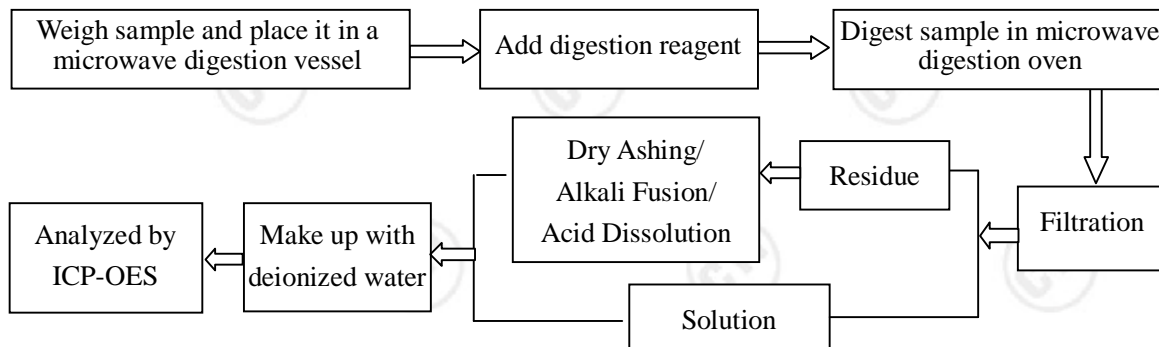
-*²=The test result(s) is/are presented in reference to the result(s) that reported in **RLSHF001373230004.**

Test Process

1. Lead (Pb), Cadmium (Cd)



2. Mercury (Hg)

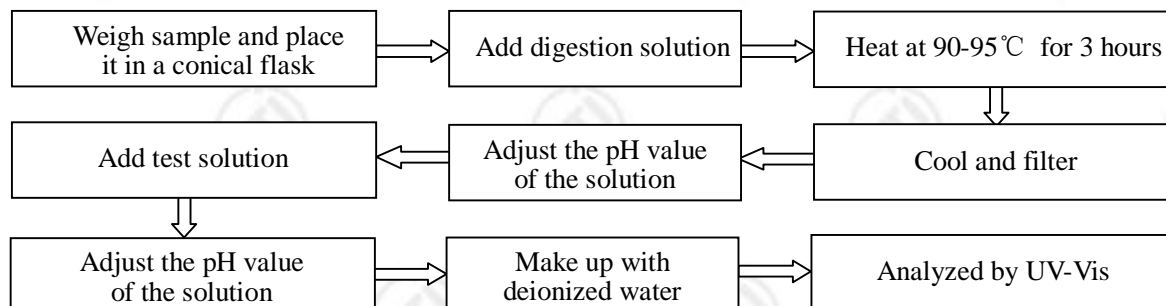


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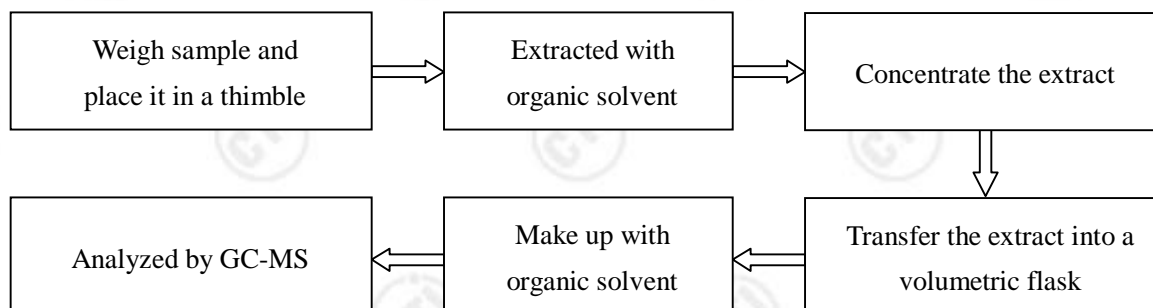
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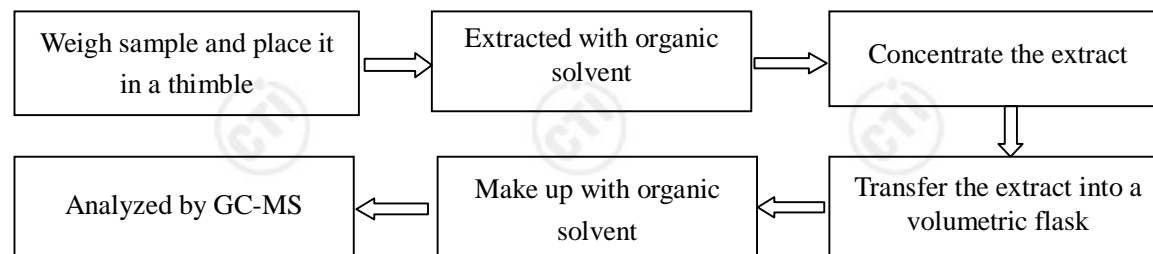
3. Hexavalent Chromium (Cr(VI))



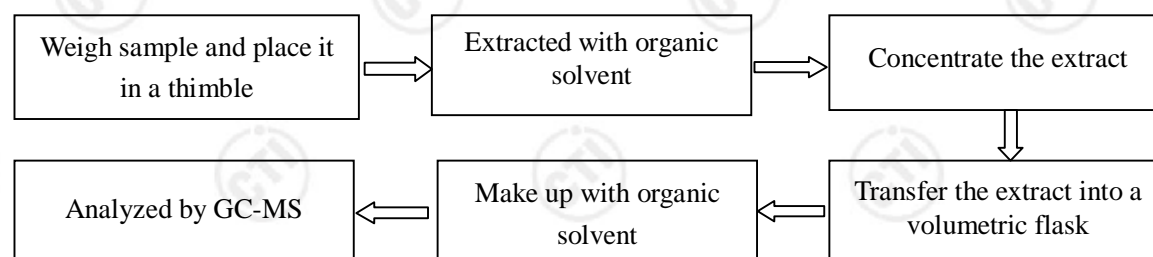
4. Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs)



5. Phthalates



6. Hexabromocyclododecane (HBCDD)



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Photo of the sample



*** End of Report ***

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