

Test Report

Report No.: 240708111GZU-001

Date: Jul 17, 2024

Applicant: HomeTeck International LTD.
Building D-4H, No. 11 Guangdong X inji Park, Jinwan
South Road, Jinli Town, Gaoyao District, Zhaoqing City,
Guangdong Province.

Sample Description:

The following submitted sample(s) said to be:

Item Name : **Memory Foam**
Model No. : GB-1002
Date of Sample Received : Jul 8, 2024
Testing Period : Jul 8, 2024 to Jul 11, 2024

Tests conducted:

As requested by the applicant, refer to following page(s) for details.

Conclusion:

Tested Sample	Tested Items	Result
Tested components of submitted sample	With reference to the limit of Restriction of the use of certain hazardous substance in electrical and electronic equipment (RoHS Directive 2011/65/EU and (EU) 2015/863)	Pass

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch:
Prepared by:

Bryce Lai

Bryce Lai
Project Engineer



Reviewed by:

Michael Pang

Michael Pang
Asst. Technical Supervisor



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Tests conducted:

RoHS Chemical Test

(A) Test Result Summary:

Test Item	Result (mg/kg)	
	(1)	(2)
Cadmium (Cd) Content	ND	ND
Lead (Pb) Content	ND	ND
Mercury (Hg) Content	ND	ND
Chromium (VI)(Cr ⁶⁺) Content	ND	ND
Sum of Polybrominated Biphenyls (PBBs)	ND	ND
Monobromobiphenyl (MonoBB)	ND	ND
Dibromobiphenyl (DiBB)	ND	ND
Tribromobiphenyl (TriBB)	ND	ND
Tetrabromobiphenyl (TetraBB)	ND	ND
Pentabromobiphenyl (PentaBB)	ND	ND
Hexabromobiphenyl (HexaBB)	ND	ND
Heptabromobiphenyl (HeptaBB)	ND	ND
Octabromobiphenyl (OctaBB)	ND	ND
Nonabromobiphenyl (NonaBB)	ND	ND
Decabromobiphenyl (DecaBB)	ND	ND
Sum of Polybrominated Diphenyl Ethers (PBDEs)	ND	ND
Monobromodiphenyl Ether (MonoBDE)	ND	ND
Dibromodiphenyl Ether (DiBDE)	ND	ND
Tribromodiphenyl Ether (TriBDE)	ND	ND
Tetrabromodiphenyl Ether (TetraBDE)	ND	ND
Pentabromodiphenyl Ether (PentaBDE)	ND	ND
Hexabromodiphenyl Ether (HexaBDE)	ND	ND
Heptabromodiphenyl Ether (HeptaBDE)	ND	ND
Octabromodiphenyl Ether (OctaBDE)	ND	ND
Nonabromodiphenyl Ether (NonaBDE)	ND	ND
Decabromodiphenyl Ether (DecaBDE)	ND	ND
Phthalates		
Bis(2-ethylhexyl) phthalate (DEHP)	ND	ND
Butyl benzyl phthalate (BBP)	ND	ND
Dibutyl phthalate (DBP)	ND	ND
Diisobutyl phthalate (DIBP)	ND	ND

Tested samples:

- (1) White woven with white thread
- (2) Blue sponge

ND = Not detected

mg/kg = milligram per kilogram

Remark: The sample do not in the scope of RoHS, however, refer to test results, the results do not exceed the limit of RoHS.



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(B) RoHS Requirement:

Restricted Substances	Limits
Cadmium (Cd)	0.01% (100 mg/kg)
Lead (Pb)	0.1% (1000 mg/kg)
Mercury (Hg)	0.1% (1000 mg/kg)
Chromium (VI) (Cr ⁶⁺)	0.1% (1000 mg/kg)
Polybrominated Biphenyls (PBBs)	0.1% (1000 mg/kg)
Polybrominated Diphenyl Ethers (PBDEs)	0.1% (1000 mg/kg)
Phthalates (DEHP, BBP, DBP, DIBP)	0.1% (1000 mg/kg)

The above limits were quoted from 2011/65/EU and (EU) 2015/863 for homogeneous material.

(C) Test Method:

Test Item	Test Method	Detection Limit
Cadmium (Cd) Content	With reference to IEC 62321-5 Edition 1.0: 2013, by acid digestion and determined by ICP - OES or Atomic Absorption Spectrometry	2 mg/kg
Lead (Pb) Content	With reference to IEC 62321-5 Edition 1.0: 2013, by acid digestion and determined by ICP - OES or Atomic Absorption Spectrometry	2 mg/kg
Mercury (Hg) Content	With reference to IEC 62321-4:2013+AMD1:2017 CSV, by acid digestion and determined by ICP - OES	2 mg/kg
Chromium (VI)(Cr ⁶⁺) Content	With reference to IEC 62321-7-2 Edition 1.0: 2017, Hexavalent chromium – Determination of hexavalent chromium (Cr (VI) in polymers and electronics by the colorimetric method	10 mg/kg
Polybrominated Biphenyls (PBBs)& Polybrominated Diphenyl Ethers (PBDEs) Content	With reference to IEC 62321-6 Edition 1.0: 2015, by solvent extraction and determined by GC/MS and further HPLC confirmation when necessary	5 mg/kg
Phthalates (DEHP, BBP, DBP, DIBP) Content	With reference to IEC 62321-8 Edition 1.0: 2017, by solvent extraction and determined by GC/MS	100 mg/kg



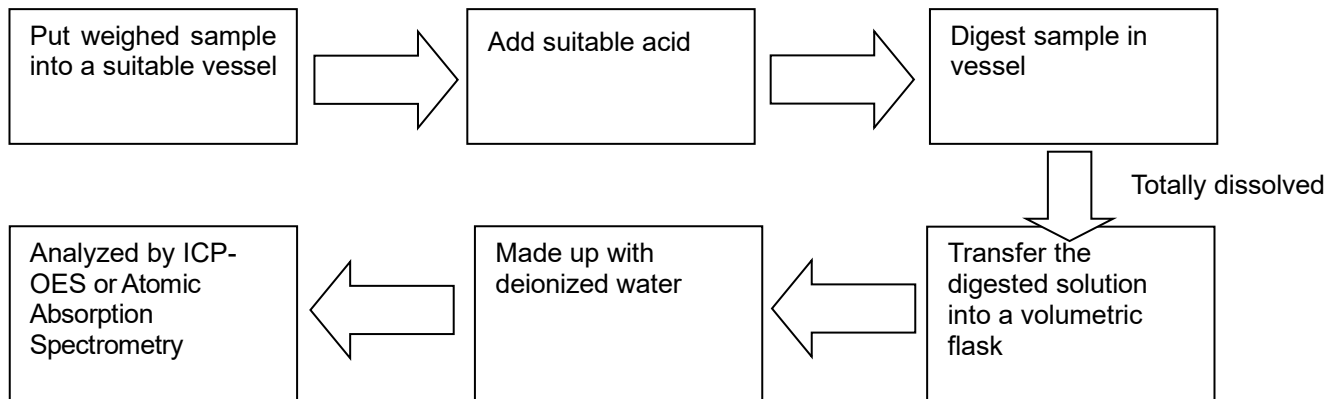
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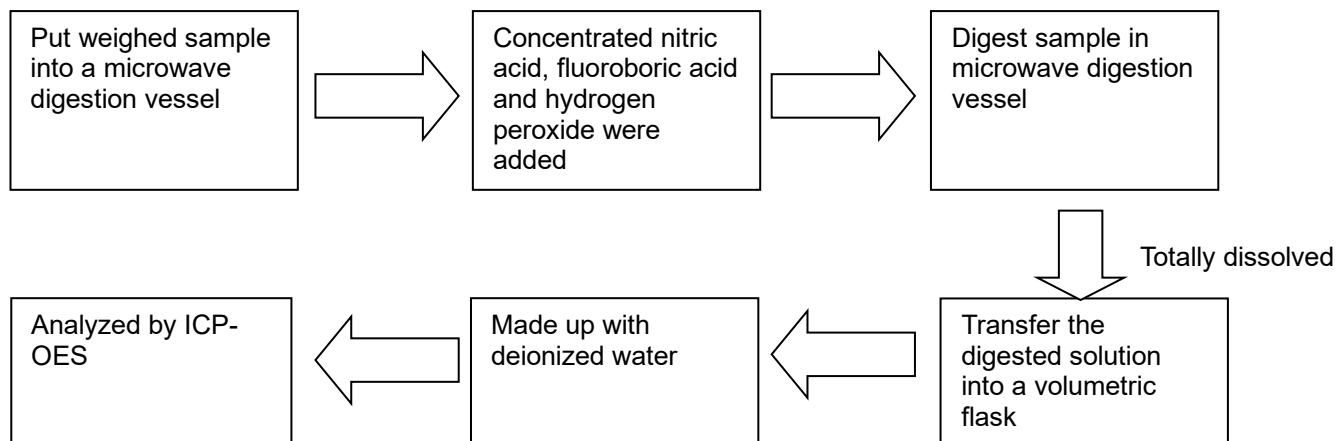
Date: Jul 17, 2024

(D) Measurement Flowchart:

1. Test for Cd/Pb Contents



2. Test for Hg Content



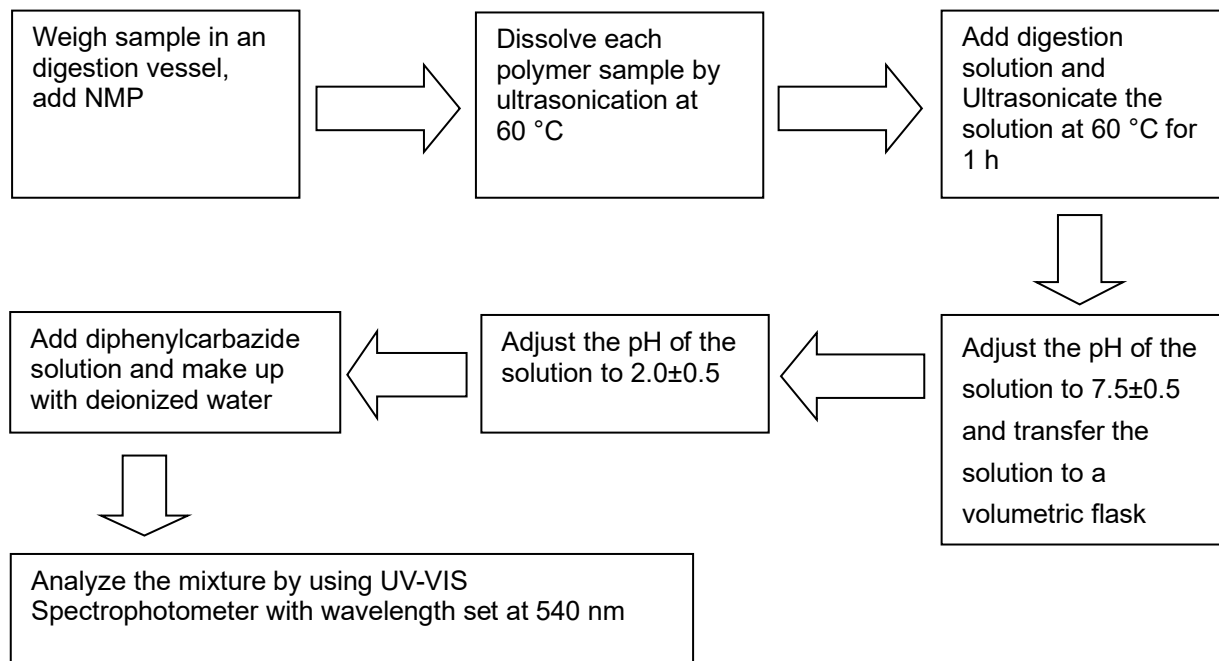
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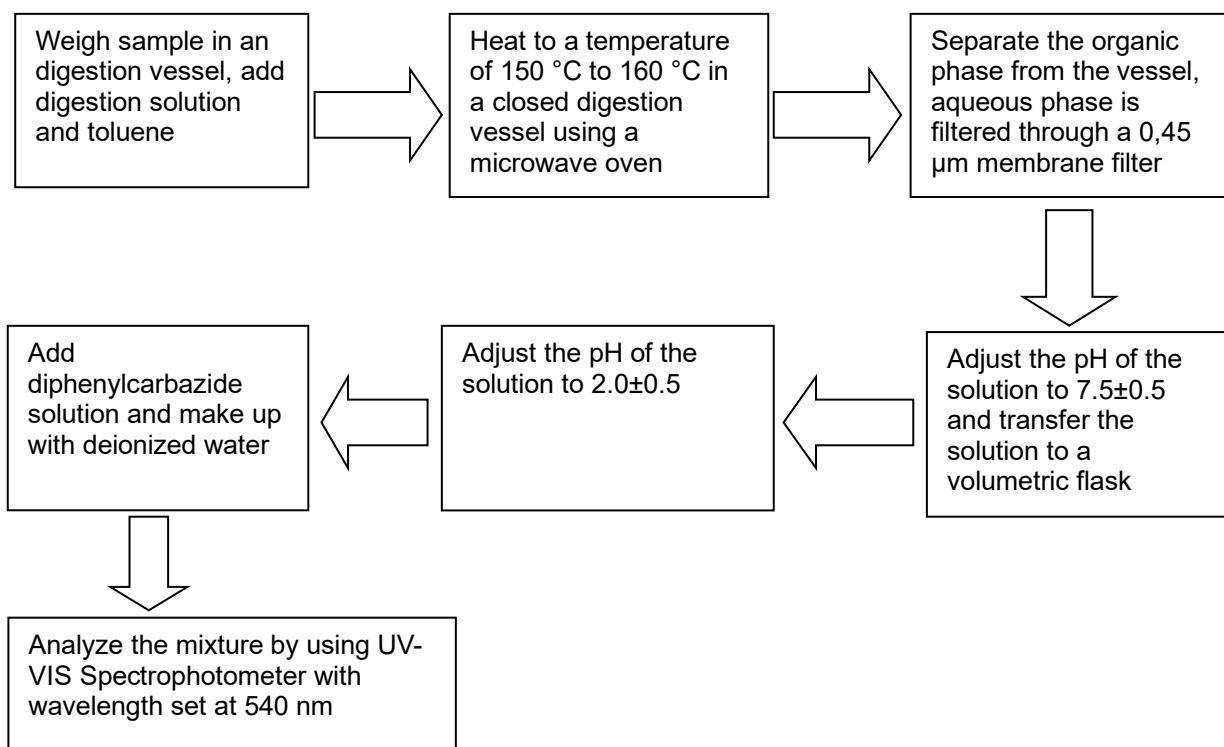
Date: Jul 17, 2024

3. Test for Chromium (VI) (Cr^{6+}) Content

Soluble polymers:



Insoluble/unknown polymers and electronics without Sb:

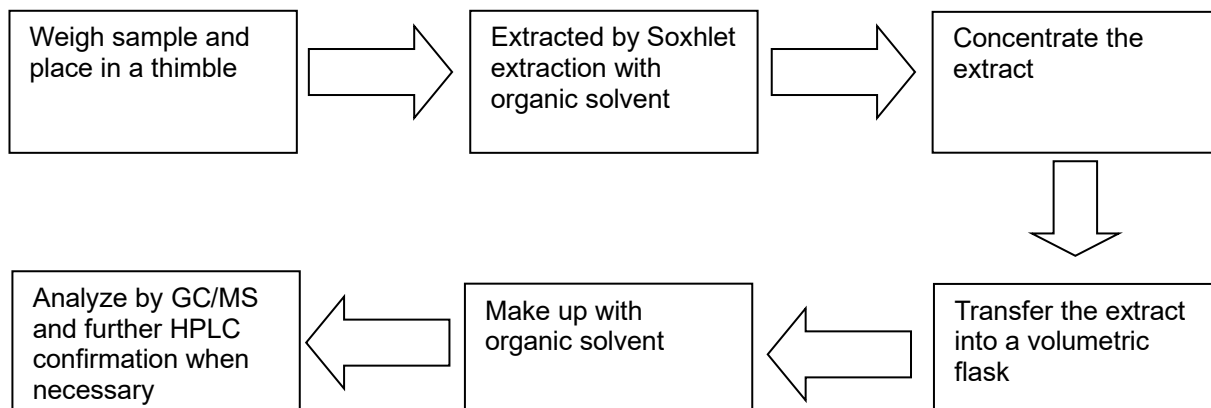


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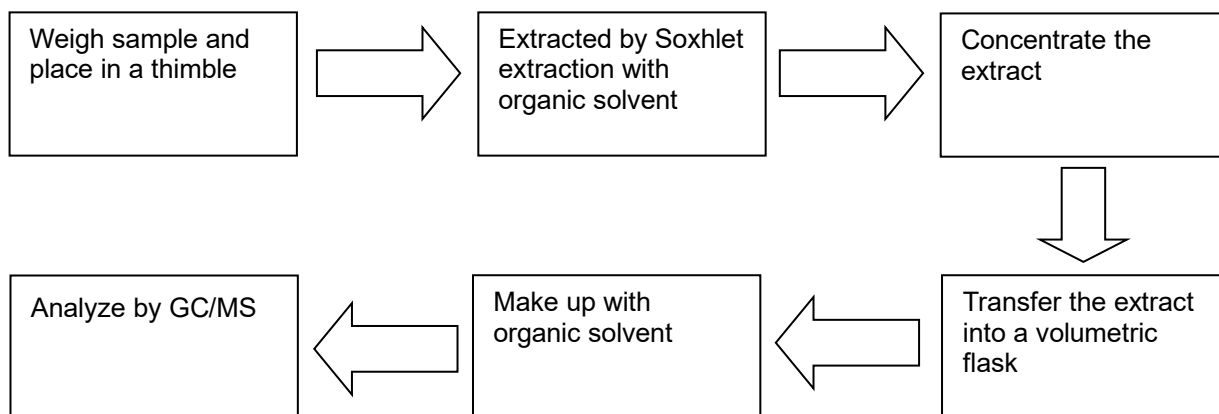
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4. Test for PBBs/PBDEs Contents



5. Test for Phthalate Contents



Sample photo



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End of report