

Test Report

Number: SZHH00624725S1

Applicant: JIANGYIN TIANHONG DECORATION MATERIALS CO., LTD
18#HUANXI ROAD HUASHI TOWN, JIANGYIN CITY

Date: Oct 27, 2011

This is to supersede Report No. SZHH00624725 dated Sep 10, 2011

Sample Description:

One (1) submitted sample said to be **Aluminum Composite Panel.**

Tested components:

- (a) white coating on metal.
- (b) silver color metal excluding coating.



Tests conducted:

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

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.



Ben N.L. Lin
General Manager

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Tests Conducted

RoHS Chemical Test

(A) Test Result Summary:

Testing Item	Result	
	(a)	(b)
Cadmium (Cd) Content (mg/kg)	ND(<2)	ND(<2)
Lead (Pb) Content (mg/kg)	ND(<2)	ND(<2)
Mercury (Hg) Content (mg/kg)	ND(<2)	ND(<2)
Chromium (VI)(Cr ⁶⁺) Content (mg/kg)	ND(<1)	--
Chromium (VI)(Cr ⁶⁺) Result (By Boiling Water Extraction on Metal)(mg/kg with 50cm ²)	--	Negative (<0.02)
Polybrominated Biphenyls (PBBs)(mg/kg)		
Monobromobiphenyl (MonoBB)	ND(<5)	--
Dibromobiphenyl (DiBB)	ND(<5)	--
Tribromobiphenyl (TriBB)	ND(<5)	--
Tetrabromobiphenyl (TetraBB)	ND(<5)	--
Pentabromobiphenyl (PentaBB)	ND(<5)	--
Hexabromobiphenyl (HexaBB)	ND(<5)	--
Heptabromobiphenyl (HeptaBB)	ND(<5)	--
Octabromobiphenyl (OctaBB)	ND(<5)	--
Nonabromobiphenyl (NonaBB)	ND(<5)	--
Decabromobiphenyl (DecaBB)	ND(<5)	--
Polybrominated Diphenyl Ethers (PBDEs)(mg/kg)		
Monobromodiphenyl Ether (MonoBDE)	ND(<5)	--
Dibromodiphenyl Ether (DiBDE)	ND(<5)	--
Tribromodiphenyl Ether (TriBDE)	ND(<5)	--
Tetrabromodiphenyl Ether (TetraBDE)	ND(<5)	--
Pentabromodiphenyl Ether (PentaBDE)	ND(<5)	--
Hexabromodiphenyl Ether (HexaBDE)	ND(<5)	--
Heptabromodiphenyl Ether (HeptaBDE)	ND(<5)	--
Octabromodiphenyl Ether (OctaBDE)	ND(<5)	--
Nonabromodiphenyl Ether (NonaBDE)	ND(<5)	--
Decabromodiphenyl Ether (DecaBDE)	ND(<5)	--

Chemist: Wang Haijun/Tang Wenming

mg/kg = milligram per kilogram = ppm
 mg/kg with 50cm² = milligram per kilogram with 50 square centimetre
 < = Less than
 ND = Not detected

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Positive = A positive test result indicated the presence of Cr(VI) at the time of testing, equal to or greater than threshold of 1 mg/kg for spot test procedure or 0.02 mg/kg for boiling-water-extraction procedures with a sample surface area of 50cm² used. However, it shall not be interpreted as the Cr(VI) concentration in the coating layer of the sample and should not be used as a method detection limit for this qualitative test.

Negative = A negative test result indicated above positive observation was not found at the time of testing. When the spot-test showed a negative result, the boiling-water-extraction procedure shall be used to verify the result.

(B) RoHS Requirement:

Restricted Substances	Limits
Cadmium (Cd)	0.01% (100 ppm)
Lead (Pb)	0.1% (1000 ppm)
Mercury (Hg)	0.1% (1000 ppm)
Chromium (VI) (Cr ⁶⁺)	0.1% (1000 ppm)
Polybrominated Biphenyls (PBBs)	0.1% (1000 ppm)
Polybrominated Diphenyl Ethers (PBDEs)	0.1% (1000 ppm)

The above limits were quoted from 2002/95/EC and amendment 2005/618/EC for homogeneous material.

(C) Test Method:

Testing Item	Testing Method	Reporting Limit
Cadmium (Cd) Content	With reference to IEC 62321 Edition 1.0:2008, by acid digestion and determined by ICP - OES	2 mg/kg
Lead (Pb) Content	With reference to IEC 62321 Edition 1.0:2008, by acid digestion and determined by ICP - OES	2 mg/kg
Mercury (Hg) Content	With reference to IEC 62321 Edition 1.0:2008, by acid digestion and determined by ICP - OES	2 mg/kg
Chromium (VI)(Cr ⁶⁺) Content	With reference to IEC 62321 Edition 1.0:2008, by alkaline digestion and determined by UV-VIS Spectrophotometer	1 mg/kg
Chromium (VI) (Cr ⁶⁺) Content	With reference to IEC 62321 Edition 1.0:2008, by boiling water extraction and determined by UV-VIS Spectrophotometer	Positive/ Negative (Threshold of 0.02mg/kg with 50cm ²)
Polybrominated Biphenyls (PBBs)& Polybrominated Diphenyl Ethers (PBDEs)	With reference to IEC 62321 Edition 1.0:2008, by solvent extraction and determined by GC/MS and further HPLC confirmation when necessary	5 mg/kg

Date sample received: Aug 30, 2011
 Testing period: Aug 30, 2011 to Aug 31, 2011

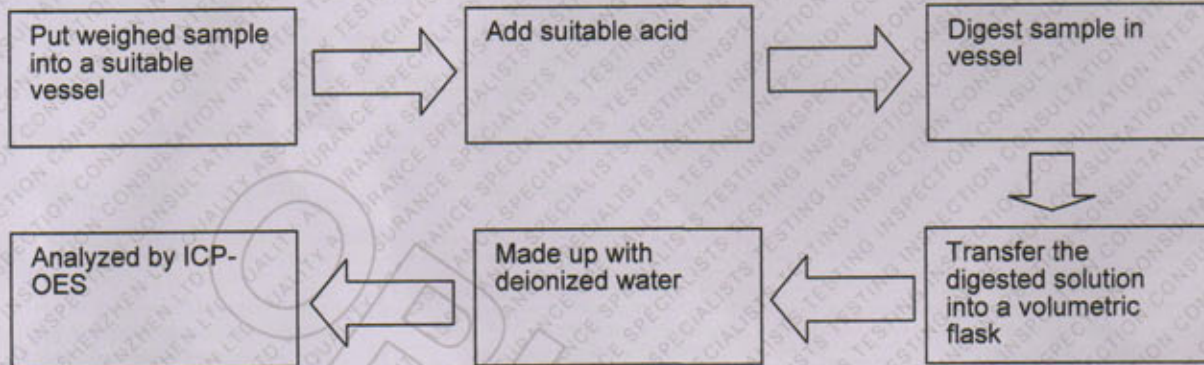
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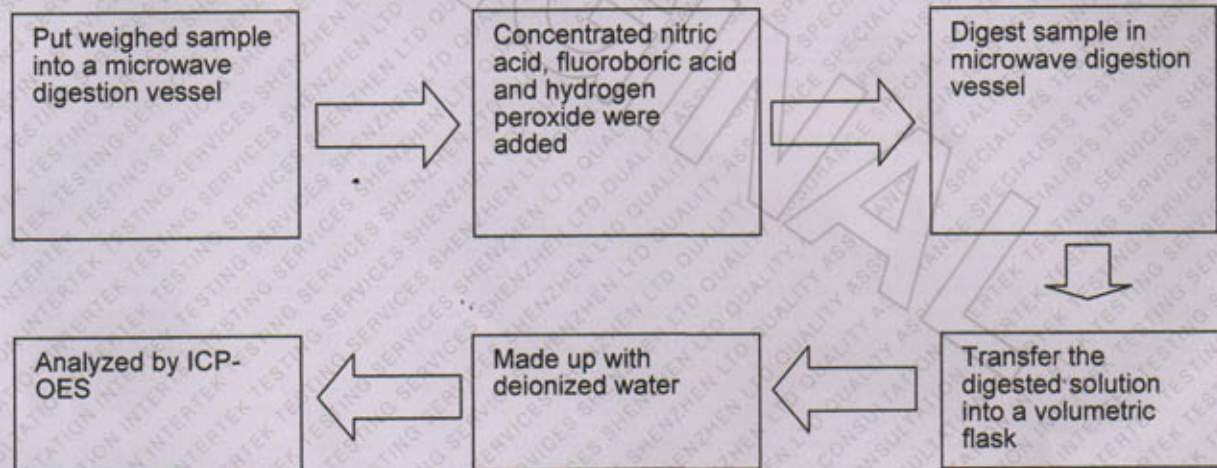
Tests Conducted

(D) Measurement Flowchart:

1. Test for Cd/Pb Contents



2. Test for Hg Content

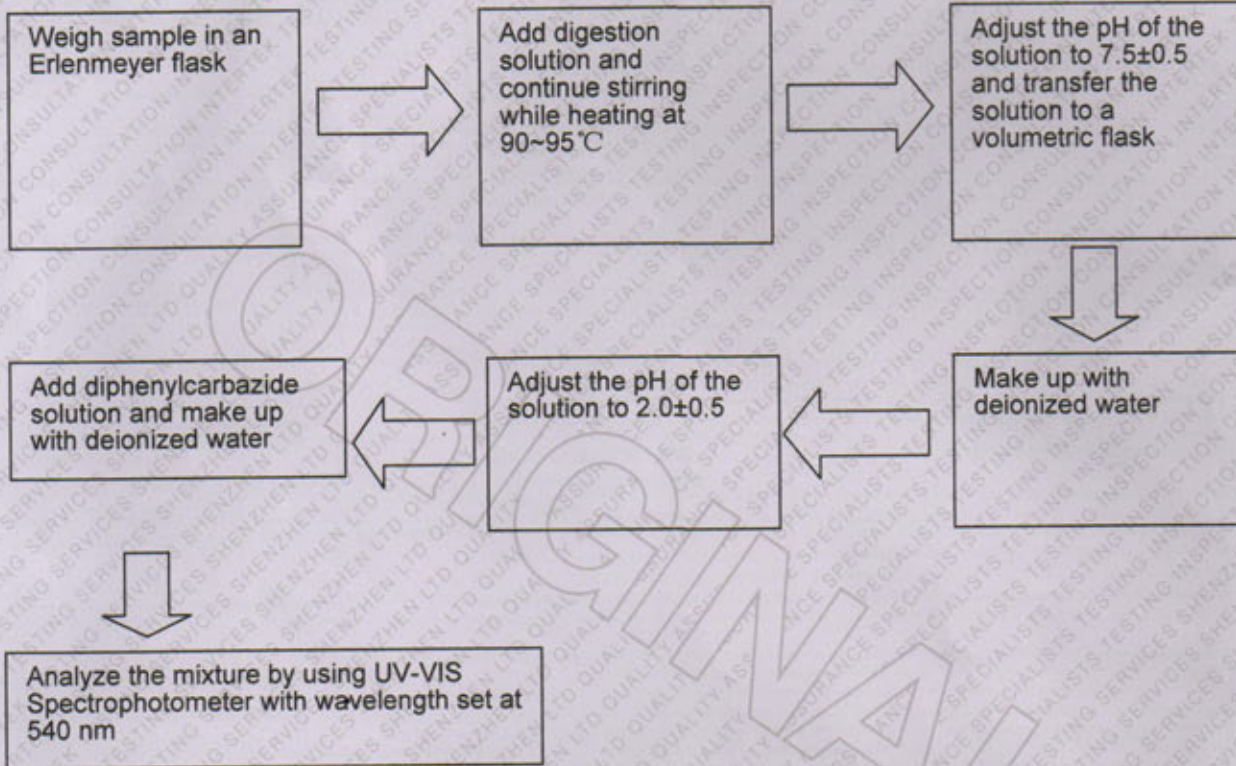


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3. Test for Chromium (VI) (Cr^{6+}) Content (Alkaline Digestion)

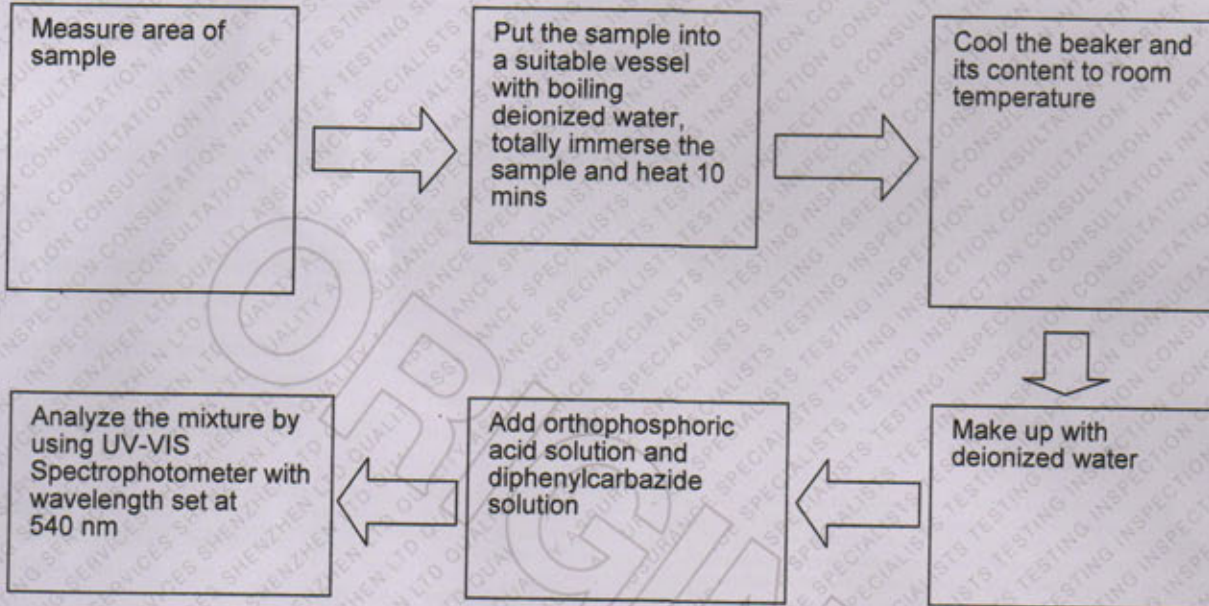


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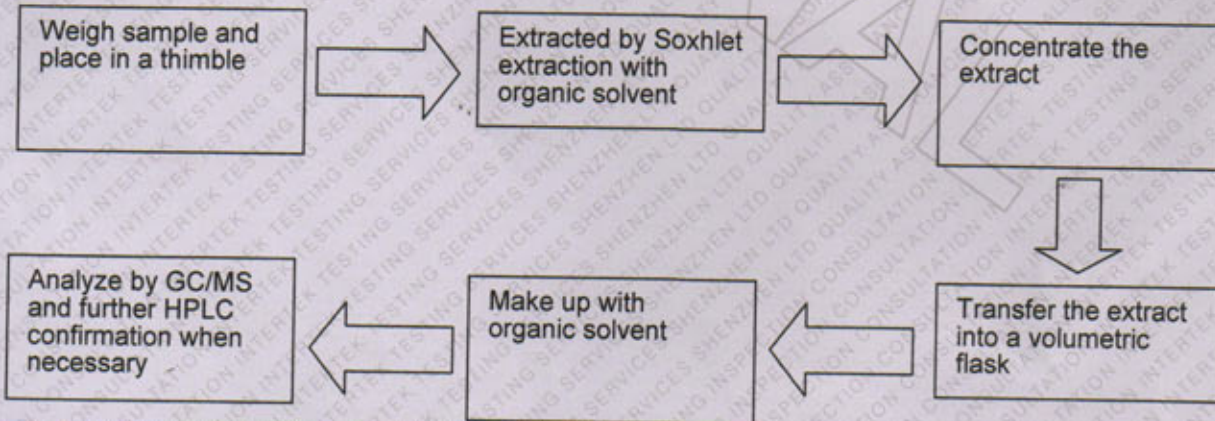
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4. Test for Chromium (VI) (Cr⁶⁺) Content (Boiling Water Extraction)



5. Test for PBBs/PBDEs Contents



End of report

Intertek

To: JIANGYIN TIANHONG DECORATION
MATERIALS CO.,LTD

Date: Oct 27, 2011

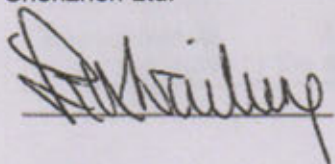
Re : Report Revision Notification

Intertek Testing Services Report Number SZHH00624725 Dated Sep 10, 2011

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now superseded by a revised Intertek Testing Services Report, SZHH00624725S1.

Thank you for your attention.

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.



Ben N.L. Lin
General Manager

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Attention is drawn to the terms and conditions printed overleaf.