

Test Report

Number: GZHH00526769S1

Applicant: TODA PVC LEATHER CO.,LTD
88/11 M.1 BANG NAM CHUET MUEANG
SAMUTSAHKORNSAMUTSAHKONR 74000 THAILAND

Date: Feb 22, 2024

Attn: 罗耀平

This is to supersede Report No. GZHH00526769 dated Feb 06, 2024

Sample Description:

One (1) submitted sample said to be **Spray adhesive TDO1 (Fire-retardant)**

Country of Origin : China
Applicant's Ref. :
Date Sample Received : Jan 31, 2024
Testing Period : Jan 31, 2024 ~ Feb 06, 2024




Tests conducted:

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

Conclusion:

Tested sample	Standard/Testing Item	Result
Tested component(s) of submitted sample(s)	Restriction of the use of certain hazardous substance in electrical and electronic equipment (RoHS Directive 2011/65/EU and amendment Commission Delegated Directive (EU) 2015/863)	Pass

Authorized by:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch, Hardlines


Victor T.J. Wang
Assistant General Manager



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Tests Conducted

1 RoHS Chemical Test

(A) Test Result Summary:

Test Item	Result					Units	D.L.
	1	-	-	-	-		
Cadmium (Cd) Content	ND	-	-	-	-	mg/kg	2
Lead (Pb) Content	ND	-	-	-	-	mg/kg	2
Mercury (Hg) Content	ND	-	-	-	-	mg/kg	2
Chromium (VI) (Cr(VI)) Content	ND	-	-	-	-	mg/kg	10
Polybrominated Biphenyls (PBBs)	ND	-	-	-	-	mg/kg	5
Monobromodiphenyl (MonoBB)	ND	-	-	-	-	mg/kg	5
Dibromodiphenyl (DiBB)	ND	-	-	-	-	mg/kg	5
Tribromodiphenyl (TriBB)	ND	-	-	-	-	mg/kg	5
Tetrabromodiphenyl (TetraBB)	ND	-	-	-	-	mg/kg	5
Pentabromodiphenyl (PentaBB)	ND	-	-	-	-	mg/kg	5
Hexabromodiphenyl (HexaBB)	ND	-	-	-	-	mg/kg	5
Heptabromodiphenyl (HeptaBB)	ND	-	-	-	-	mg/kg	5
Octabromodiphenyl (OctaBB)	ND	-	-	-	-	mg/kg	5
Nonabromodiphenyl (NonaBB)	ND	-	-	-	-	mg/kg	5
Decabromodiphenyl (DecaBB)	ND	-	-	-	-	mg/kg	5
Polybrominated Diphenyl Ethers (PBDEs)	ND	-	-	-	-	mg/kg	5
Monobromodiphenyl ether (MonoBDE)	ND	-	-	-	-	mg/kg	5
Dibromodiphenyl ether (DiBDE)	ND	-	-	-	-	mg/kg	5
Tribromodiphenyl ether (TriBDE)	ND	-	-	-	-	mg/kg	5
Tetrabromodiphenyl ether (TetraBDE)	ND	-	-	-	-	mg/kg	5
Pentabromodiphenyl ether (PentaBDE)	ND	-	-	-	-	mg/kg	5



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Test Item	Result					Units	D.L.
	1	-	-	-	-		
Hexabromodiphenyl ether (HexaBDE)	ND	-	-	-	-	mg/kg	5
Heptabromodiphenyl ether (HeptaBDE)	ND	-	-	-	-	mg/kg	5
Octabromodiphenyl ether (OctaBDE)	ND	-	-	-	-	mg/kg	5
Nonabromodiphenyl ether (NonaBDE)	ND	-	-	-	-	mg/kg	5
Decabromodiphenyl ether (DecaBDE)	ND	-	-	-	-	mg/kg	5

Non-Toys

Test Item	CAS No.	Result					Units	D.L.
		1	-	-	-	-		
Di(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	-	-	-	-	mg/kg	50
Benzyl butyl phthalate (BBP)	85-68-7	ND	-	-	-	-	mg/kg	50
Di-butyl phthalate (DBP)	84-74-2	ND	-	-	-	-	mg/kg	50
Di-isobutyl phthalate (DIBP)	84-69-5	ND	-	-	-	-	mg/kg	50

Remarks:

D.L. = Detection Limit

ND = Not detected

(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)
Dibutyl phthalate (DBP)	0.1% (1000 mg/kg)
Di-(2-ethyl hexyl) phthalate (DEHP)	0.1% (1000 mg/kg)
Benzyl butyl phthalate (BBP)	0.1% (1000 mg/kg)
Di-(iso-butyl) phthalate (DIBP)	0.1% (1000 mg/kg)

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



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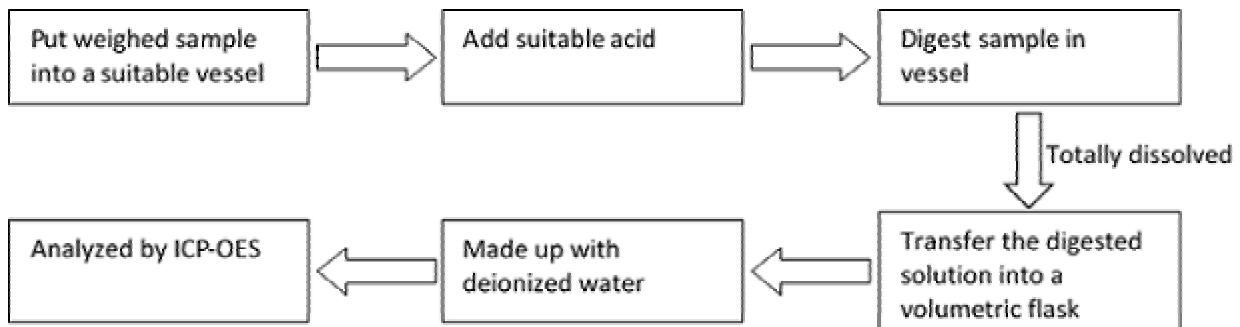
Tests Conducted

(C) Test Method:

Testing Item	Testing Method	Detection Limit
Mercury (Hg) Content	With reference to IEC 62321-4 Edition 1.0:2013+AMD1: 2017, by acid digestion and determined by ICP - OES	2 mg/kg
Cadmium (Cd) Content	With reference to IEC 62321-5 Edition 1.0:2013, by acid digestion and determined by ICP - OES	2 mg/kg
Lead (Pb) Content	With reference to IEC 62321-5 Edition 1.0:2013, by acid digestion and determined by ICP - OES	2 mg/kg
Polybrominated Biphenyls (PBBs) & Polybrominated Diphenyl Ethers (PBDEs)	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
Chromium (VI) (Cr ⁶⁺) Content	With reference to IEC 62321-7-1 Edition 1.0:2015, by boiling water extraction and determined by UV-VIS Spectrophotometer	0.10 µg/cm ²
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
Dibutyl phthalate (DBP) & Di-(2-ethyl hexyl) phthalate (DEHP) & Benzyl butyl phthalate (BBP) & Di-(iso-butyl) phthalate (DIBP)	With reference to IEC 62321-8 Edition 1.0:2017, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis	50 mg/kg

(D) Measurement Flowchart:

1. Test for Cd/Pb Contents

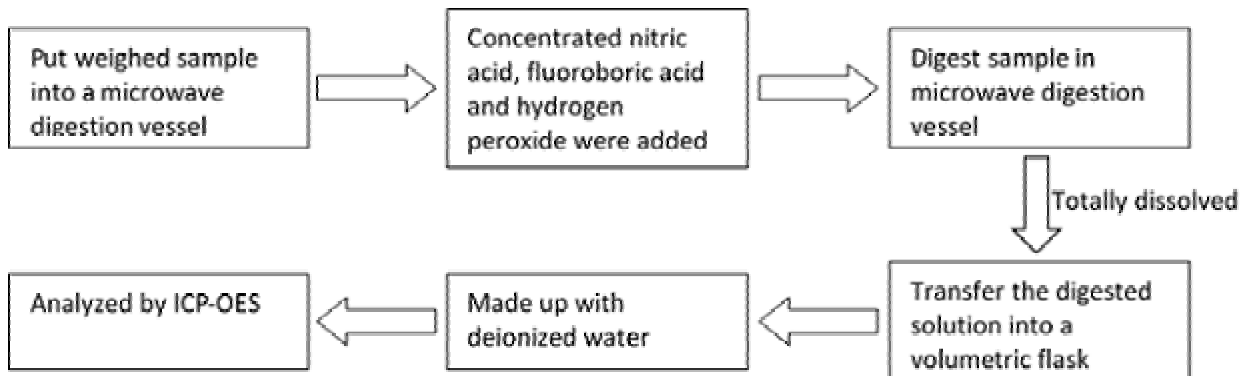


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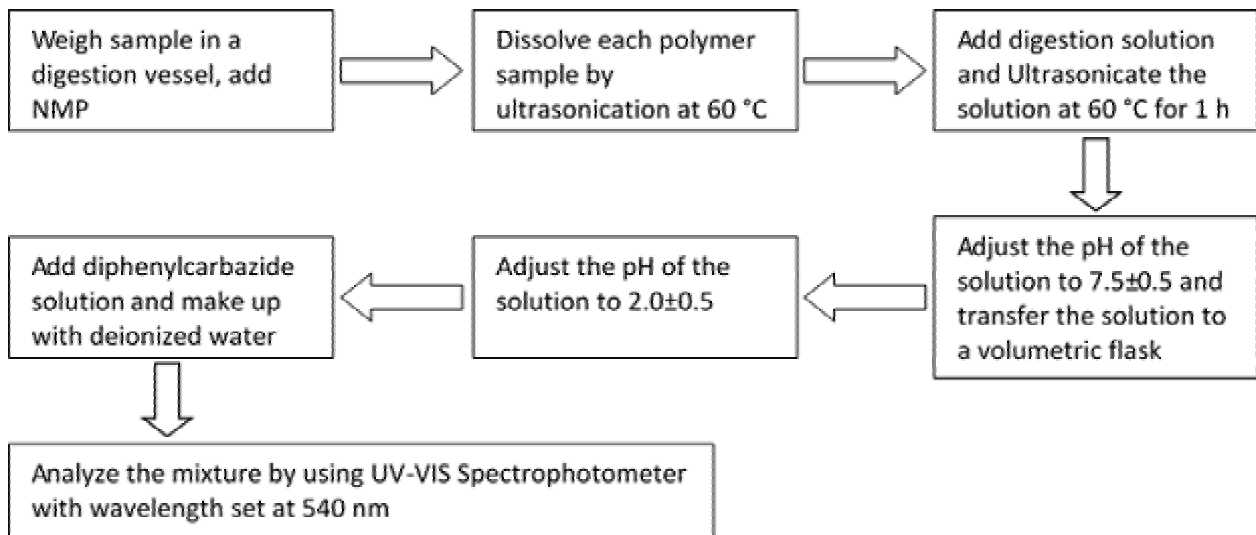
Tests Conducted

2. Test for Hg Content



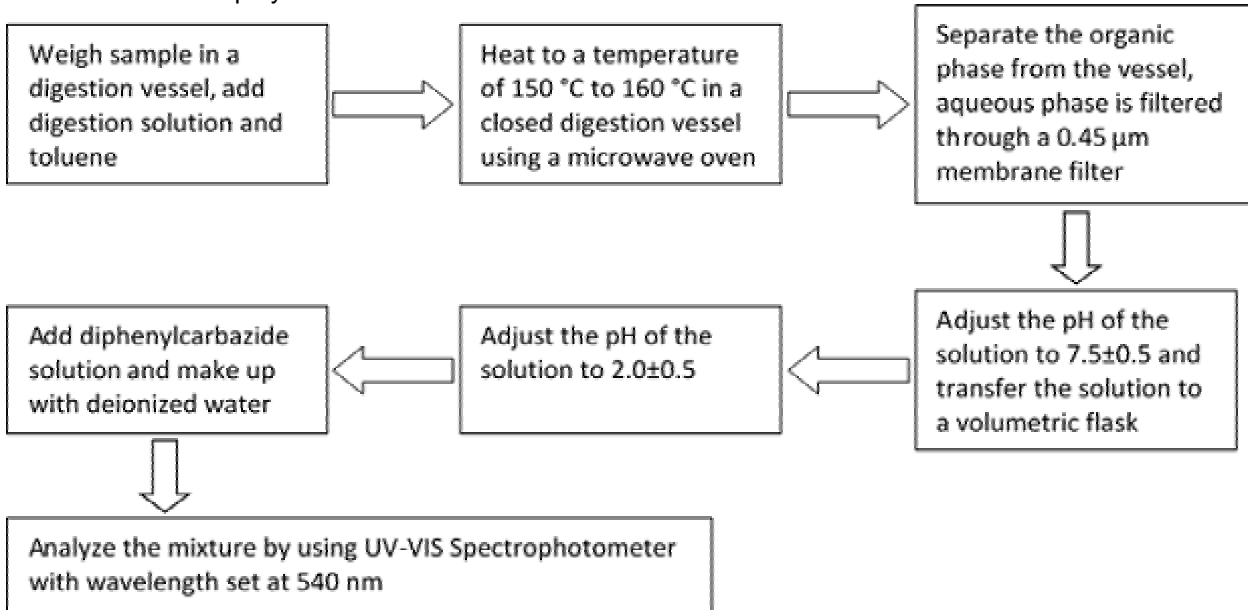
3. Test for Chromium (VI) (Cr⁶⁺) Content (Alkaline Digestion)

Soluble polymers

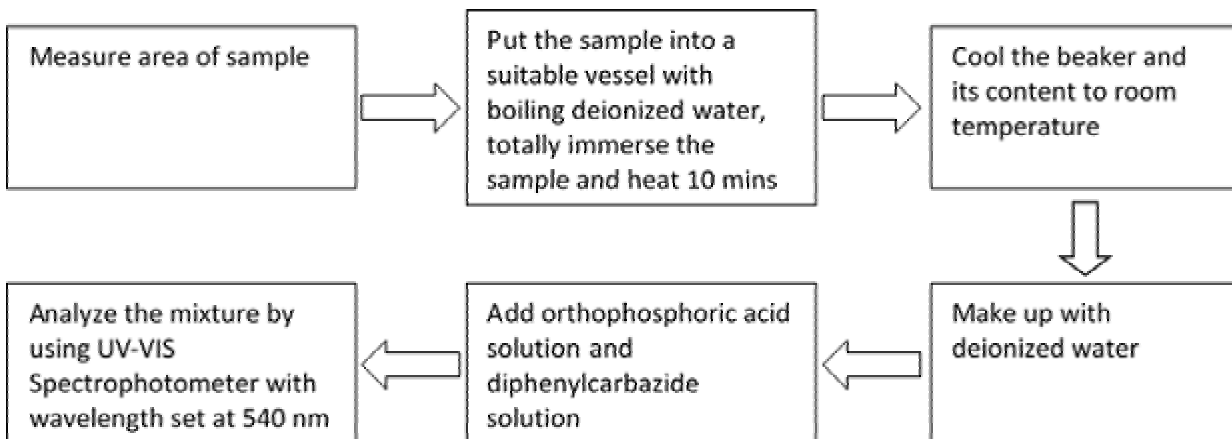


Tests Conducted

Insoluble/unknown polymers and electronics without Sb

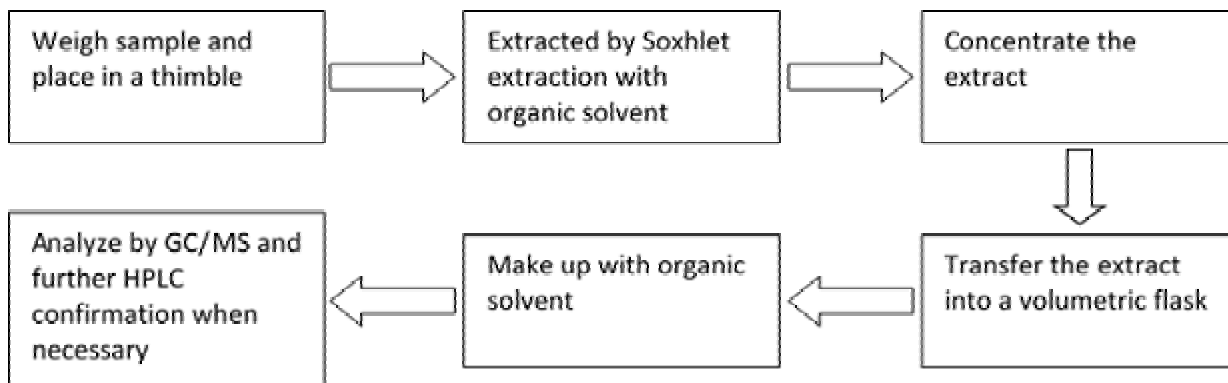


4. Test for Chromium (VI) (Cr⁶⁺) Content (Boiling Water Extraction)

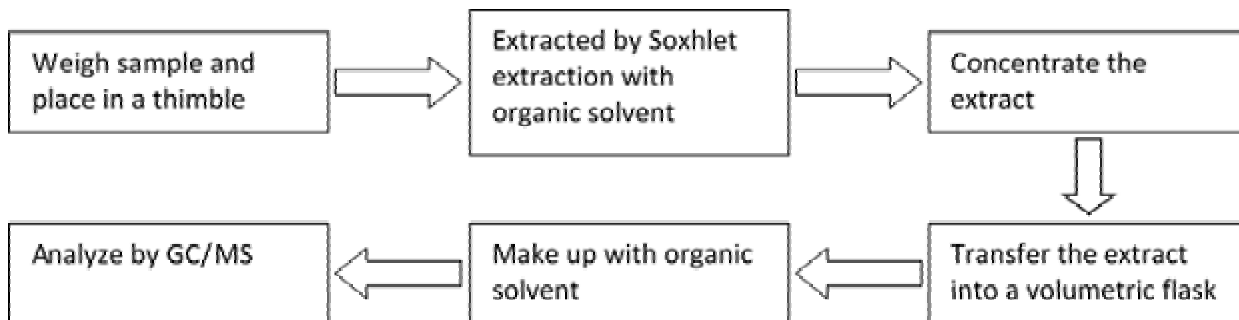


Tests Conducted

5. Test for PBBs/PBDEs Contents



6. Test for Phthalate Contents



Tested Components: See component list in the last section of this report.

Component List

No.	Test Component Description(s)
(1)	Brown glue.

End of report

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (Non-binary acceptance based on guard band $w = U$) except designation from the customer, regulation or test specification. This decision rule only applies to the numeric test results.

The sample(s) and sample information hereto are provided by the client who shall be solely responsible for the authenticity and integrity thereof. The results shown in this report relate only to the sample(s) tested. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. This report shall not be reproduced unless with prior written approval from Intertek Testing Services Shenzhen Limited, Guangzhou Branch. The testing data and result issued by this report are just for scientific research, teaching, internal quality control, product research and development etc. on reference only in the territory of the People's Republic of China.



To: TODA PVC LEATHER CO..LTD

Ref: FC-240(0194)

Attention: 罗耀平

Date: Feb 22, 2024

Re : Report Revision Notification

Intertek Testing Services Report Number GZHH00526769 dated Feb 06, 2024

Please be informed that all the content recorded in the above captioned report will be void. This captioned report is now supersede by a revised Intertek Testing Services Report, GZHH0526769S1

Details of report amendment:

1. Client request amend the relevant client's information/sample information.

Thank you for your attention.

Authorized by:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch, Hardlines



Victor T.J. Wang
Assistant General Manager

