

Test Report

Report No: SHAFNG131106746E

Date: Nov 26 2013

Client name: HUZHOUCHEM CHEMICAL CO., LTD
 Client address: #688 XIFENG ROAD, HUZHOUCHEM, ZHEJIANG, CHINA

Sample name	Code	Sample Batch No.	Product Date
POLYURETHANE TWO-COMPONENT RESINS	A	2013421	2013-10-16
	B	7510267	2013-10-31

Manufacturer: HUZHOUCHEM CHEMICAL CO., LTD

Above information and sample(s) was/were submitted and certified by the client, SGS quoted the information with no responsibility as to the accuracy, adequacy and/or completeness.

SGS Sample No.: SHAFNG131106746
 SGS reference No.: SHAFD1322757201
 Date of sample received: Nov 20 2013
 Testing period: Nov 20 2013 ~ Nov 26 2013

TEST(S) REQUESTED:

Selected test(s) as requested by applicant
 Sample A: Sample B=5:1 after mixing the two samples to test
 As requested by client, SVHC screening is performed according to:
 (i) Six (6) substances in the Candidate List of Substances of Very High Concern (SVHC) authorization published by European Chemicals Agency (ECHA) on Jun 20, 2013 regarding Regulation (EC) No 1907/2006 concerning the REACH.

TEST METHOD(S):

SGS In-House method-SHTC-CHEM-SOP-97-T, SHTC-CHEM-SOP-302-T. Analyzed by ICP-OES, GC-MS, and UV-VIS, HPLC-DAD/MS and Colorimetric Method.

TEST RESULT(S):

Please refer to the next page(s)

CONCLUSION:

According to the specified scope and analytical techniques, concentrations of tested SVHC are ≤ 0.1% (w/w) in the submitted sample.	PASS
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Remark: This test report is in English and maybe translated into other languages, The English version shall prevail.



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TEST RESULT(S):

Substances in the Candidate List of SVHC

Batch	Substance Name	Unit(s)	CAS No.	Concentration	RL
All tested	SVHC in candidate list	%	-	Not detected	-

Notes:

- (1) The table above only shows detected SVHC, and SVHC that below RL are not reported. Please refer to Appendix for the full list of tested SVHC.
- (2) RL = Reporting Limit. All RL are based on homogenous material
 ND = Not detected (lower than RL), ND is denoted on the SVHC substance.
- (3) * The test result is based on the calculation of selected element(s) / marker(s) and to the worst-case scenario. For detail information, please refer to the SGS REACH website:
www.reach.sgs.com/substance-of-very-high-concern-analysis-information-page.htm RL = 0.005% is evaluated for element (i.e. cadmium)
- (4) Result shown is of the total weight of wet sample.

Batch	No	Substance Name	Unit(s)	CAS No.	RL
IX	1	4-Nonylphenol, branched and linear, ethoxylated	%	-	0.050
IX	2	Ammounium pentadecafluorooctanoate(APFO)	%	3825-26-1	0.050
IX	3	Cadmiun oxide*	%	1306-19-0	0.005
IX	4	Cadmium*	%	7440-43-9	0.005
IX	5	Dipentyl phthalate(DPP)	%	131-18-0	0.050
IX	6	Pentadecafluorooctanoic acid(PFOA)	%	335-67-1	0.050

Remark:

- (1) The chemical analysis of specified SVHC is performed by means of currently available analytical techniques against the following SVHC related documents published by ECHA:
<http://echa.europa.eu/web/guest/candidate-list-table> These lists are under evaluation by ECHA and may subject to change in the future.
- (2) Concerning article(s): In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w). Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance in the Candidate List. SGS adopts the interpretation of ECHA for SVHC in article unless indicated otherwise. Detail explanation is available at the following link:
http://webstage.contribute.sgs.net/corpreach/documents/SGS-CTS_SVHC-paper-EN-11.pdf
- (3) Concerning material(s): Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC

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RAND: 10662617

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concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article. If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

(4) Concerning substance and preparation: If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and No 790/2009, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:

- a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
 - a mixture that is classified as dangerous according Dangerous Preparations Directive 1999/45/EC or classified as hazardous under the CLP Regulation (EC) No 1272/2008, when their concentrations are equal to, or greater than, those defined in the Article 3(3) of 1999/45/EC or the lower values given in Part 3 of Annex VI of Regulation (EC) No. 1272/2008; or
 - a mixture is not classified as dangerous under Directive 1999/45/EC, but contains either:
 - (a) a substance posing human health or environmental hazards in an individual concentration of ≥ 1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or ≥ 0.2 % by volume for gaseous mixtures; or
 - (b) a substance that is PBT, or vPvB in an individual concentration of ≥ 0.1 % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
 - (c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration of ≥ 0.1 % by weight for non-gaseous mixtures; or
 - (d) a substance for which there are Europe-wide workplace exposure limits.
- (5) If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

SAMPLE DESCRIPTION: Liquid in bottle



*** End of Report***