

XIAMEN DYMAK IMP./EXP. CO.,LTD
4TH FLOOR,NO.3 BUILDING,A3 DISTRICT,GUANYINSHAN CBD,XIAMEN,CHINA

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

Sample Description : TERRACOTTA
SGS Ref No. : CANHG1312771201
Style / Item No. : 023165
P.O. / Ref. No. : 0112579
Manufacture : DYMAK XIAMEN
Country of Destination : EU
Sample Receiving Date : Aug. 13, 2013
Test Performing Date : Aug. 13, 2013 to Aug. 21, 2013
Test Performed : Selected test(s) as requested by applicant
Test Result(s) : For further details, please refer to the following page(s)

Test Requested : As requested by client, SVHC screening is performed according to:
(i) All forty nine (49) inorganic substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before Jun 20, 2013 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Summary :

According to the specified scope and analytical techniques, concentrations of tested SVHC are $\leq 0.1\%$ (w/w) in the submitted sample. **PASS**

Signed for and on behalf of
SGS-CSTC Co., Ltd.



Sharky Xia
Approved Signatory

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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 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)

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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.

Test Sample :Sample Description :

Specimen No.	SGS Sample ID	Description
1	CAN13-127712.002	Terracotta

Test Method :

SGS In-House method-GZTC CHEM-TOP-092-01, Analyzed by ICP-OES, UV-VIS.

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Test Result : (Substances in the Candidate List of SVHC)

NO.	Substance Name	CAS No.	EC No.	002 Concentration (%)	RL (%)
1	Aluminosilicate Refractory Ceramic Fibres *▲	650-017-00-8 (Index no.)	-	ND	0.005
2	Ammonium dichromate*	7789-09-5	232-143-1	ND	0.005
3	Arsenic acid*	7778-39-4	231-901-9	ND	0.005
4	Boric acid*	10043-35-3, 11113-50-1	233-139-2, 234-343-4	ND	0.005
5	Cadmium oxide*	1306-19-0	215-146-2	ND	0.005
6	Cadmium*	7440-43-9	231-152-8	ND	0.005
7	Calcium arsenate*	7778-44-1	231-904-5	ND	0.005
8	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	7738-94-5 - 13530-68-2	231-801-5 - 236-881-5	ND	0.005
9	Chromium trioxide*	1333-82-0	215-607-8	ND	0.005
10	Cobalt dichloride*	7646-79-9	231-589-4	ND	0.005
11	Cobalt(II) carbonate*	513-79-1	208-169-4	ND	0.005
12	Cobalt(II) dinitrate*	10141-05-6	233-402-1	ND	0.005
13	Cobalt(II) sulphate*	10124-43-3	233-334-2	ND	0.005
14	Diarsenic pentaoxide*	1303-28-2	215-116-9	ND	0.005
15	Diarsenic trioxide*	1327-53-3	215-481-4	ND	0.005
16	Diboron trioxide*	1303-86-2	215-125-8	ND	0.005
17	Dichromium tris(chromate) *	24613-89-6	246-356-2	ND	0.005
18	Disodium tetraborate, anhydrous*	1303-96-4, 1330-43-4, 12179-04-3	215-540-4	ND	0.005

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NO.	Substance Name	CAS No.	EC No.	002 Concentration (%)	RL (%)
19	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	ND	0.005
20	Lead chromate*	7758-97-6	231-846-0	ND	0.005
21	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	235-759-9	ND	0.005
22	Lead cyanamidate*	20837-86-9	244-073-9	ND	0.005
23	Lead diazide, Lead azide*	13424-46-9	236-542-1	ND	0.005
24	Lead dinitrate*	10099-74-8	233-245-9	ND	0.005
25	Lead hydrogen arsenate*	7784-40-9	232-064-2	ND	0.005
26	Lead monoxide*	1317-36-8	215-267-0	ND	0.005
27	Lead oxide sulfate*	12036-76-9	234-853-7	ND	0.005
28	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	215-693-7	ND	0.005
29	Lead tetroxide (orange lead)*	1314-41-6	215-235-6	ND	0.005
30	Lead titanium trioxide*	12060-00-3	235-038-9	ND	0.005
31	Lead titanium zirconium oxide*	12626-81-2	235-727-4	ND	0.005
32	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	ND	0.005
33	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	ND	0.005
34	Potassium chromate*	7789-00-6	232-140-5	ND	0.005
35	Potassium dichromate*	7778-50-9	231-906-6	ND	0.005
36	Potassium hydroxyoctaoxidizincatedichromate*	11103-86-9	234-329-8	ND	0.005
37	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	ND	0.005
38	Silicic acid, barium salt, lead-doped*	68784-75-8	272-271-5	ND	0.005
39	Silicic acid, lead salt*	11120-22-2	234-363-3	ND	0.005
40	Sodium chromate*	7775-11-3	231-889-5	ND	0.005

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NO.	Substance Name	CAS No.	EC No.	002 Concentration (%)	RL (%)
41	Sodium dichromate*	7789-12-0, 10588-01-9	234-190-3	ND	0.005
42	Strontium chromate*	7789-06-2	232-142-6	ND	0.005
43	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	ND	0.005
44	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	ND	0.005
45	Tetralead trioxide sulphate*	12202-17-4	235-380-9	ND	0.005
46	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	215-290-6	ND	0.005
47	Trilead diarsenate*	3687-31-8	222-979-5	ND	0.005
48	Trilead dioxide phosphonate*	12141-20-7	235-252-2	ND	0.005
49	Zirconia Aluminosilicate Refractory Ceramic Fibres* ▲	650-017-00-8 (Index no.)	-	ND	0.005

Notes :

1. RL = Reporting Limit. All RL are based on homogenous material. ND = Not detected (lower than RL), ND is denoted on the SVHC substance.
2. *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.
3. RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, chromium (VI), aluminum, zirconium, boron, strontium, zinc, antimony, titanium, cadmium and barium respectively), except molybdenum RL=0.0005%, boron RL=0.0025% (only for Lead bis(tetrafluoroborate)).
4. ▲ On Jun 18, 2012, ECHA consolidated two entries of aluminosilicate refractory ceramic fibres and two of zirconia aluminosilicate refractory ceramic fibres in the Candidate List of SVHC for authorization published in Jan 2010 and Dec 2011 into one entry for aluminosilicate refractory ceramic fibres and one for zirconia aluminosilicate refractory ceramic fibres.
5. Calculated concentration of boric compounds are based on the water extractive boron by ICP-OES.

Remark : This test was subcontracted to SGS other qualified subcontractor.

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Sample photo(s):



CANHG1312771201
CAN13-127712.002

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End of Report

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