

Test Report (SVHC)

No. SHAHG1010477101

Date: 28 Jul 2010

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OBJEKTPLANUNG STELLWAG
LANDSBERGER STR.360,80687 MUNCHEN,GERMANY

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

SGS Job No. : SHD201021798 - SH
Buyer : OBJEKTPLANUNG STELLWAG
Manufacturer : NINGBO DONGQIANHU RESORTS TIANLONG DAILY PRODUCTS FACTORY
Country of Origin : CHINA
Country of Destination : GERMANY
Date of Sample Received : 22 Jul 2010
Testing Period : 22 Jul 2010 - 28 Jul 2010
Test Requested : As requested by client, SVHC screening is performed according to:
(i) Thirty eight (38) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) by June 18, 2010 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Results : Please refer to next page(s).

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 Ltd.



Zhou Yan, Crystal
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:
 - (A) http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp
 - (B) http://echa.europa.eu/consultations/authorisation/svhc/svhc_cons_en.asp
 - (C) http://echa.europa.eu/chem_data/reg_int_tables/reg_int_curr_int_en.asp#current_svhc
 These lists are under evaluation by ECHA and may subject to change in the future.

- (2) 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).

- (3) 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.

- (4) 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	SHA10-104771.001	Fridge mat(green)

Sample Weight :

SHA10-104771.001: 224 g

Test Method :

SGS In-House method-RSTS-EE-SVHC-003, RSTS-EE-SVHC-004. Analyzed by ICP-OES, GC-MS, and UV-VIS.

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

Substance Name	CAS No.	EC No.	001 Concentration (%)	RL (%)
2,4-Dinitrotoluene	121-14-2	204-450-0	ND	0.050
4,4-Diaminodiphenylmethane(MDA)	101-77-9	202-974-4	ND	0.050
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	ND	0.050
Acrylamide	79-06-01	201-173-7	ND	0.050
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	ND	0.050
Aluminosilicate Refractory Ceramic Fibres*	650-017-00-8 (Index no.)	-	ND	0.005
Ammonium dichromate*	7789-09-5	232-143-1	ND	0.005
Anthracene	120-12-7	204-371-1	ND	0.050
Anthracene oil**	90640-80-5	292-602-7	ND	0.050
Anthracene oil, anthracene paste**	90640-81-6	292-603-2	ND	0.050
Anthracene oil, anthracene paste, anthracene fraction**	91995-15-2	295-275-9	ND	0.050
Anthracene oil, anthracene paste, distr. lights**	91995-17-4	295-278-5	ND	0.050
Anthracene oil, anthracene-low**	90640-82-7	292-604-8	ND	0.050
Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	ND	0.050
Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	204-211-0	ND	0.050
Bis(tributyltin)oxide (TBTO)	56-35-9	200-268-0	ND	0.050
Boric acid*	10043-35-3 11113-50-1	233-139-2 234-343-4	ND	0.005
Cobalt dichloride*	7646-79-9	231-589-4	ND	0.005
Diarsenic pentaoxide*	1303-28-2	215-116-9	ND	0.005

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Substance Name	CAS No.	EC No.	001 Concentration (%)	RL (%)
Diarsenic trioxide*	1327-53-3	215-481-4	ND	0.005
Dibutyl phthalate (DBP)	84-74-2	201-557-4	ND	0.050
Diisobutyl phthalate	84-69-5	201-553-2	ND	0.050
Disodium tetraborate, anhydrous*	1303-96-4 1330-43-4 12179-04-3	215-540-4	ND	0.005
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD) Δ	25637-99-4 and 3194-55-6	247-148-4 and 221-695-9	ND	0.050
Lead chromate*	7758-97-6	231-846-0	ND	0.005
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	235-759-9	ND	0.005
Lead hydrogen arsenate*	7784-40-9	232-064-2	ND	0.005
Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	215-693-7	ND	0.005
Pitch, coal tar, high temp.**	65996-93-2	266-028-2	ND	0.050
Potassium chromate*	7789-00-6	232-140-5	ND	0.005
Potassium dichromate*	7778-50-9	231-906-6	ND	0.005
Sodium chromate*	7775-11-3	231-889-5	ND	0.005
Sodium dichromate*	7789-12-0 and 10588-01-9	234-190-3	ND	0.005
Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	ND	0.005
Trichloroethylene	79-01-6	201-167-4	ND	0.050
Triethyl arsenate*	15606-95-8	427-700-2	ND	0.005
Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	ND	0.050

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Substance Name	CAS No.	EC No.	001 Concentration (%)	RL (%)
Zirconia Aluminosilicate Refractory Ceramic Fibres*	650-017-00-8 (Index no.)	-	ND	0.005

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Notes:

- (1) RL = Reporting Limit. All RL are based on homogenous material
- (2) ND = Not detected (lower than RL), ND is denoted on the target compound.
- (3) \triangle CAS No. of diastereoisomers identified (α -HBCDD, β -HBCDD, γ -HBCDD): 134237-50-6, 134237-51-7, 134237-52-8
- (4) * Calculated concentration of cobalt dichloride is based on the identified cobalt by ICP-OES with reference to the technique review.

Calculated concentration of diarsenic pentoxide, diarsenic trioxide, lead hydrogen arsenate and triethyl arsenate are based on the identified arsenic and lead by ICP-OES.

Calculated concentrations of sodium dichromate is based on the identified sodium by ICP-OES and the identified chromium(VI) by UV-Vis.

Calculated concentration of lead chromate, lead chromate molybdate sulphate red and lead sulfochromate yellow are based on the identified lead, chromium and molybdenum by ICP-OES.

Calculated concentration of aluminosilicate refractory ceramic fibres and zirconia aluminosilicate refractory ceramic fibres are based on the identified silicon, aluminum and zirconium by ICP-OES, with reference to the technique review.

Calculated concentration of ammonium dichromate is based on the identified chromium(VI) by UV-Vis.

Calculated concentration of boric acid is based on the identified boron by ICP-OES and confirmation by water extraction.

Calculated concentration of disodium tetraborate, anhydrous and tetraboron disodium heptaoxide, hydrate are based on the identified sodium and boron by ICP-OES and confirmation by water extraction.

Calculated concentrations of potassium chromate and potassium dichromate are based on the identified potassium by ICP-OES and the identified chromium(VI) by UV-Vis.

Calculated concentrations of sodium chromate is based on the identified sodium by ICP-OES and the identified chromium(VI) by UV-Vis.

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The client is advised to review the chemical formulation to ascertain above substances present in the sample.

RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, sodium, chromium, chromium (VI), silicon, aluminum, zirconium, boron, and potassium respectively), except molybdenum RL=0.0005%

- (5) ** The SVHC consists of a diverse combination of chemical compounds fulfilling the definition of UVCB (substances of Unknown or Variable composition, Complex reaction products or Biological materials) under REACH regulation. Test result is calculated as per selected identifiers of the SVHC. The values are determined based on a reference anthracene oil and coal tar. Calculation is based on the worst-case scenario. Due to the UVCB nature the reported values may be regarded as semi-quantitative.

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

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