



**Test Report  
(SVHC)**

**No.: CHE12-MAE080078R**

**Date: August 16, 2012**

**Page 1 of 10**

SAFETY SCREENS LIMITED

UNIT 11 GREENFIELD FARM TRADING ESTATE, GREENFIELD ROAD, CONGLETON, CHESHIRE,  
CW12 4TR

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

PVC STRIP CURTAIN AND PVC SHEET

EBO Job No. : CHE12-MAE080078R

Date of Sample Received : August 7, 2012

Testing Period : August 7, 2012 To August 13, 2012

Test Requested : As requested by client, SVHC screening is performed according to:

Eighty-four (84) substances in the Candidate List of Substances of Very High Concern (SVHC) for authorization published by European Chemicals Agency (ECHA) on and before June 18, 2012 regarding Regulation (EC) No 1907/2006 concerning the REACH.

Test Result(s) : 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
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Signed for and on behalf of

Kevin Yu



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**Test Sample:**Sample Description:

Specimen No.	Description
CHE12-MAE080078R.001	Transparent plastic

**Test Method:**

EBO In-House method EBO-TOP-092-01, EBO-TOP-092-02, Analyzed by ICP-OES, GC-MS Colorimetric method/HPLC and UV-VIS.

**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.

EBO 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/EBO-CTS\\_SVHC-paper-EN-11.pdf](http://webstage.contribute.sgs.net/corpreach/documents/EBO-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

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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  $\geq 1$  % by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or  $\geq 0.2$  % by volume for gaseous mixtures; or
  - (b) a substance that is PBT, or vPvB in an individual concentration of  $\geq 0.1$  % 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  $\geq 0.1$  % 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 Results: (substances in the Candidate List of SVHC)**

Substance Name	CAS number	EC number	Concentration (%)	RL (%)
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich.	71888-89-6.	276-158-1.	N.D.	0.050
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4.	271-084-6.	N.D.	0.050
1,2-Dichloroethane	107-06-2	203-458-1	N.D.	0.050
1,2,3-trichloropropane	96-18-4	202-486-1	N.D.	0.050
1-methyl-2-pyrrolidone	872-50-4	212-821-1	N.D.	0.050
2,2'-dichloro-4,4'-methylenedianiline	101-14-4	202-918-9	N.D.	0.050
2,4-Dinitrotoluene	121-14-2	204-450-0	N.D.	0.050
2-Ethoxyethanol	110-80-5	203-804-1	N.D.	0.050
2-ethoxyethyl acetate	111-15-9	203-839-2	N.D.	0.050
2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	N.D.	0.050
2-Methoxyethanol	109-86-4	203-713-7	N.D.	0.050
4,4-Diaminodiphenylmethane(MDA)	101-77-9	202-974-4	N.D.	0.050
4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2	N.D.	0.050
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	N.D.	0.050
Acrylamide	79-06-01	201-173-7	N.D.	0.050
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	N.D.	0.050
Aluminosilicate Refractory Ceramic Fibres (Al-RCF)*	-	-	N.D.	0.005
Zirconia Aluminosilicate Refractory Ceramic Fibres (ZrAl-RCF) *	-	-	N.D.	0.005
Ammonium dichromate*	7789-09-5	232-143-1	N.D.	0.005
Anthracene	120-12-7	204-371-1	N.D.	0.050
Anthracene oil*	90640-80-5	292-602-7	N.D.	0.050
Anthracene oil, anthracene paste*	90640-81-6	292-603-2	N.D.	0.050

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Substance Name	CAS number	EC number	Concentration (%)	RL (%)
Anthracene oil, anthracene paste, anthracene fraction*	91995-15-2	295-275-9	N.D.	0.050
Anthracene oil, anthracene paste, distn. lights*	91995-17-4	295-278-5	N.D.	0.050
Anthracene oil, anthracene-low*	90640-80-5	292-602-7	N.D.	0.050
Arsenic acid*	7778-39-4	231-901-9	N.D.	0.005
Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	N.D.	0.050
Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	204-211-0	N.D.	0.050
Bis(2-methoxyethyl) ether	111-96-6	203-924-4	N.D.	0.050
Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	N.D.	0.050
Bis(tributyltin)oxide (TBTO)	56-35-9	200-268-0	N.D.	0.050
Boric acid*	10043-35-3 11113-50-1	233-139-2 234-343-4	N.D.	0.005
Calcium arsenate*	7778-50-9	231-906-6	N.D.	0.005
Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid*	7738-94-5 13530-68-2	231-801-5 236-881-5	N.D.	0.005
Chromium trioxide*	1333-82-0	215-607-8	N.D.	0.005
Cobalt carbonate*	513-79-1	208-169-4	N.D.	0.005
Cobalt diacetate*	71-48-7	200-755-8	N.D.	0.005
Cobalt dichloride*	7646-79-9	231-589-4	N.D.	0.005
Cobalt dinitrate*	10141-05-6	233-402-1	N.D.	0.005
Cobalt sulphate*	10124-43-3	233-334-2	N.D.	0.005
Diarsenic pentaoxide*	1303-28-2	215-116-9	N.D.	0.005
Diarsenic trioxide*	1327-53-3	215-481-4	N.D.	0.005
Dibutyl phthalate (DBP)	84-74-2	201-557-4	N.D.	0.050
Dichromium tris(chromate) *	24613-89-6	246-356-2	N.D.	0.005
Diisobutyl phthalate	84-69-5	201-553-2	N.D.	0.050

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Substance Name	CAS number	EC number	Concentration (%)	RL (%)
Lead chromate*	7758-97-6	231-846-0	N.D.	0.005
Disodium tetraborate, anhydrous*	1303-96-4 1330-43-4 12179-04-3	215-540-4	N.D.	0.005
Hydrazine	7803-57-8 302-01-2	206-114-9	N.D.	0.050
Formaldehyde, oligomeric reaction products with aniline	25214-70-4	500-036-1	N.D.	0.050
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD) <sup>Δ</sup>	25637-99-4 3194-55-6	247-148-4 and 221-695-9	N.D.	0.050
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	235-759-9	N.D.	0.005
Lead diazide, Lead azide*	13424-46-9	236-542-1	N.D.	0.005
Lead dipicrate*	6477-64-1	229-335-2	N.D.	0.005
Lead hydrogen arsenate*	7784-40-9	232-064-2	N.D.	0.005
Lead styphnate*	15245-44-0	239-290-0	N.D.	0.005
Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	215-693-7	N.D.	0.005
N,N-dimethylacetamide	127-19-5	204-826-4	N.D.	0.050
Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	N.D.	0.005
Phenolphthalein	77-09-8	201-004-7	N.D.	0.050
Pitch, coal tar, high temp.*	65996-93-2	266-028-2	N.D.	0.050
Potassium chromate*	7789-00-6	232-140-5	N.D.	0.005
Potassium dichromate*	7778-50-9	231-906-6	N.D.	0.005
Potassium hydroxyoctaoxodizincatedichromate*	11103-86-9	234-329-8	N.D.	0.005
Sodium chromate*	7775-11-3	231-889-5	N.D.	0.005
Sodium dichromate*	7789-12-0 and 10588-01-9	234-190-3	N.D.	0.005
Strontium chromate*	7789-06-2	232-142-6	N.D.	0.005

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Substance Name	CAS number	EC number	Concentration (%)	RL (%)
Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	N.D.	0.005
Trichloroethylene	79-01-6	201-167-4	N.D.	0.050
Triethyl arsenate*	15606-95-8	427-700-2	N.D.	0.005
Trilead diarsenate*	3687-31-8	222-979-5	N.D.	0.005
Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	N.D.	0.050
1,2-bis(2-methoxyethoxy)ethane	112-49-2	203-977-3	N.D.	0.050
1,2-dimethoxyethane; ethylene glycol dimethyl ether	110-71-4	203-794-9	N.D.	0.050
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2	N.D.	0.050
4,4'-bis(dimethylamino) benzophenone (Michler's Ketone)	90-94-8	202-027-5	N.D.	0.050
C.I. Basic Violet 3	548-62-9	208-953-6	N.D.	0.050
C.I. Basic Blue 26	2580-56-5	219-943-6	N.D.	0.050
Diboron trioxide *	1303-86-2	215-125-8	N.D.	0.005
Formamide	75-12-7	200-842-0	N.D.	0.050
Lead(II) bis(methanesulfonate) *	17570-76-2	401-750-5	N.D.	0.005
N,N,N',N'-tetramethyl - 4,4'- methylenedianiline (Michler's base)	101-61-1	202-959-2	N.D.	0.050
1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	2451-62-9	219-514-3	N.D.	0.050
C.I. Solvent Blue 4	6786-83-0	229-851-8	N.D.	0.050
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione	59653-74-6	423-400-0	N.D.	0.050

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**Notes:**

- (1) RL = Reporting Limit. All RL are based on homogenous material  
N.D. = Not detected (lower than RL), N.D. is denoted on the target compound.
- (2) <sup>Δ</sup>CAS No. of diastereoisomers identified ( $\alpha$ -HBCDD,  $\beta$ -HBCDD,  $\gamma$ -HBCDD): 134237-50-6, 134237-51-7, 134237-52-8.
- (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 EBO REACH website:  
<http://www.reach51.cn/a/REACHzhishi/REACHfg/2010/1115/23934.html>

Calculated concentration of boric acid, disodium tetraborate, anhydrous and tetraboron disodium heptaoxide, hydrate are based on the total boron and sodium by ICP-OES.

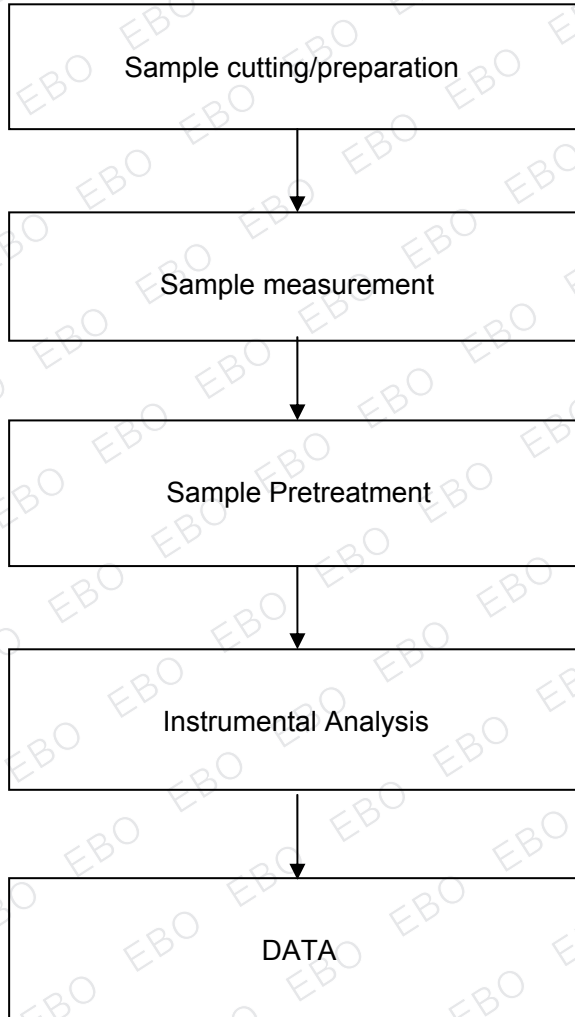
RL = 0.005% is evaluated for element (i.e. cobalt, arsenic, lead, sodium, chromium, chromium (VI), silicon, aluminum, zirconium, boron and potassium respectively), except molybdenum  
RL=0.0005%

- (4) Results & photo(s) of this report refer to test report CHE12-MAE080038R.





### SVHC Testing Flow Chart



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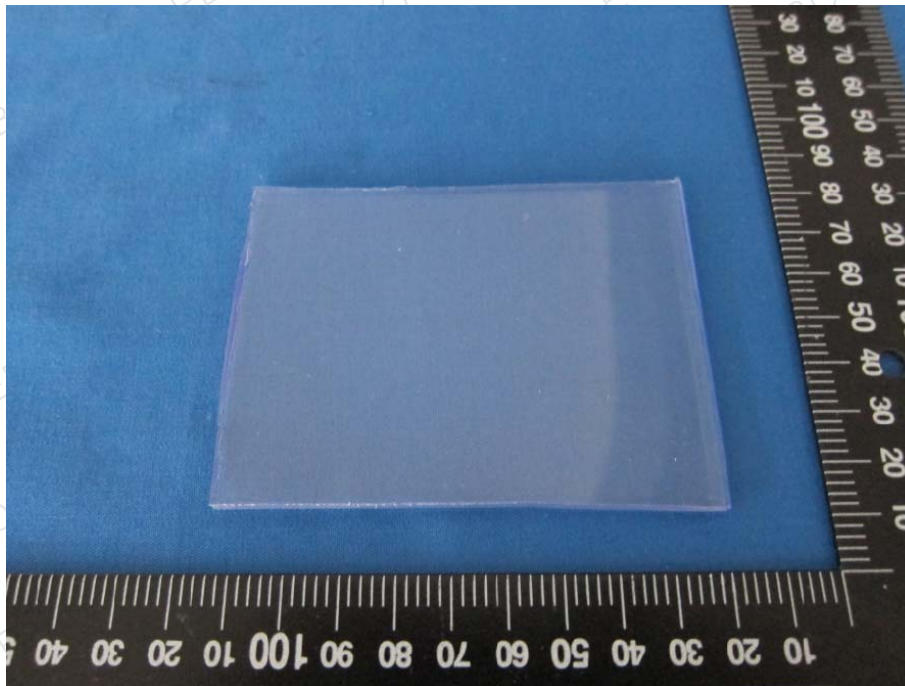
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**Sample photo:**

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\*\*\* End of Report \*\*\*

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