

Test Report

No. NB1202542/TX

Date: Mar 6, 2012

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NINGBO MATTHEW SYNTHETIC LEATHER CO., LTD

613 JINDU INTERNATIONAL, NO. 345, SOUTHERN SECTION, HUANCHENG RD, WEST, NINGBO, P.R.CHINA

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

No.	Sample Description	Composition	Colour	End Uses		
	PU leather	polyurethane/ Polyester/ cotton	Elephant	Furniture& upholstery		
Style No. Manufacturer		EUROPEAN COMPANIES PU leather- Hudson NINGBO MATTHEW SYNTHETIC LEATHER CO.,LTD Europe / US				
Test Performed S		Selected test(s) as requested by applicant				
		* * *	*			
Sample Receiving Date FE		FEB. 27, 2012				
Testing Period FEE		FEB. 27, 2012–MAR. 06, 2012				
Test Result(s) Fo		For further details, please refer to the following page(s).				

Signed for and on behalf of SGS-CSTC Ltd.

essica zhou

Jessica Zhou (Account Executive)

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0.,Ltd. | fl/£fsFWetMetMedBallding.LinggmeIndustryPark,No.1177LinggmeRaad,Ningdo Katkonal Hi-Tech Zame, Ningdo,China 3150-40 t (86-–574) 87767006 f (86-–574) 87764217 www.cn.sgs.com vorzebory 中国・宁波市国家高新区波云路1177号波云产业园4号楼西1、2、5层 邮编: 3150-40 t (86-–574) 87767006 f (86-–574) 87764217 e sgs.china@sgs.com

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

Test Sample :

Test Method :

SGS In-House method-NBCHEM-TOP-138, NBCHEM-TOP-124, Analyzed by ICP-OES, GC-MS, and UV-VIS.

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

Substance Name	CAS No.	EC No.	<u>Result</u> Concentration (%)	RL (%)
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	276-158-1	ND	0.050
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	271-084-6	ND	0.050
1,2-Dichloroethane	107-06-2	203-458-1	ND	0.050
1,2,3-trichloropropane	96-18-4	202-486-1	ND	0.050
1-methyl-2-pyrrolidone	872-50-4	212-828-1	ND	0.050
2,2'-dichloro-4,4'-methylenedianiline	101-14-4	202-918-9	ND	0.050
2,4-Dinitrotoluene	121-14-2	204-450-0	ND	0.050
2-Ethoxyethanol	110-80-5	203-804-1	ND	0.050
2-ethoxyethyl acetate	111-15-9	203-839-2	ND	0.050
2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	ND	0.050
2-Methoxyethanol	109-86-4	203-713-7	ND	0.050
4,4-Diaminodiphenylmethane(MDA)	101-77-9	202-974-4	ND	0.050
4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2	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 [with Al_O_ and SiO_ present in certain concentration ranges (Al_O_: 43.5 - 47 % w/w, and SiO_: 49.5 - 53.5 % w/w, or Al_O[45.5 - 50.5 % w/w,and SiO_:48.5 - 54 % w/w)]*	650-017-00-8 (Index no.) ⊒:	-	ND	0.005
Aluminosilicate Refractory Ceramic Fibres (with oxides of aluminium and silicon as the main components present in variable concentration ranges)*	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

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Substance	e Name	CAS No.	EC No.	<u>Result</u> Concentratio (%)	RL (%) n	
Anthracene oil, anthrac	ana nasta*	90640-81-6	292-603-2	ND	0.050	
Anthracene oil, anthrac	ene pasie,	91995-15-2	295-275-9	ND	0.050	
anthracene fraction*						
Anthracene oil, anthrac	ene paste, distn.	91995-17-4	295-278-5	ND	0.050	
lights*						
Anthracene oil, anthrac	ene-low*	90640-82-7	292-604-8	ND	0.050	
Arsenic acid*		7778-39-4	231-901-9	ND	0.005	
Benzyl butyl phthalate ((BBP)	85-68-7	201-622-7	ND	0.050	
Bis (2-ethylhexyl)phtha	late (DEHP)	117-81-7	204-211-0	ND	0.050	
Bis(2-methoxyethyl) eth		111-96-6	203-924-4	ND	0.050	
Bis(2-methoxyethyl) ph		117-82-8	204-212-6	ND	0.050	
Bis(tributyltin)oxide (TB		56-35-9	200-268-0	ND	0.050	
Boric acid*		10043-35-3	233-139-2	ND	0.005	
		11113-50-1	234-343-4	ND	0.000	
Calcium arsenate*		7778-44-1	231-904-5	ND	0.005	
Chromic acid, Dichromi	ia aaid Oliaamara of	7738-94-5	231-801-5	ND	0.005	
chromic acid and dichro		13530-68-2		ND	0.005	
chronic acid and dichid	Jinic aciu	13330-00-2	and			
		1000 00 0	236-881-5	ND	0.005	
Chromium trioxide*		1333-82-0	215-607-8	ND	0.005	
Cobalt carbonate*		513-79-1	208-169-4	ND	0.005	
Cobalt diacetate*		71-48-7	200-755-8	ND	0.005	
Cobalt dichloride*		7646-79-9	231-589-4	ND	0.005	
Cobalt dinitrate*		10141-05-6	233-402-1	ND	0.005	
Cobalt sulphate*		10124-43-3	233-334-2	ND	0.005	
Diarsenic pentaoxide*		1303-28-2	215-116-9	ND	0.005	
Diarsenic trioxide*		1327-53-3	215-481-4	ND	0.005	
Dibutyl phthalate (DBP))	84-74-2	201-557-4	ND	0.050	
Dichromium tris(chroma		24613-89-6	246-356-2	ND	0.005	
Diisobutyl phthalate		84-69-5	201-553-2	ND	0.050	
Disodium tetraborate, a	anhvdrous*	1303-96-4	215-540-4	ND	0.005	
	annyarouo	1330-43-4	210 010 1		0.000	
		12179-04-3				
Formaldehyde, oligome	pric reaction	25214-70-4	500-036-1	ND	0.050	
products with aniline		23214-70-4	300-030-1	ND	0.050	
•	ana (UDODD) and	05007 00 4	047 140 4		0.050	
Hexabromocyclododec		25637-99-4	247-148-4	ND	0.050	
all major diastereoisom		and	and			
$(\alpha$ -HBCDD, β -HBCDD,	γ-HBCDD)∆	3194- 55-6	221-695-9			
Hydrazine		7803-57-8	206-114-9	ND	0.050	
		and				
		302-01-2				
Lead chromate*		7758-97-6	231-846-0	ND	0.005	
Lead chromate molybd		12656-85-8	235-759-9	ND	0.005	
(C.I. Pigment Red 104)	*					
Lead diazide, Lead azid		13424-46-9	236-542-1	ND	0.005	
Lead dipicrate*		6477-64-1	229-335-2	ND	0.005	
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Test Report No. NB1202		42/TX Date: Mar 6, 2		2012	Page 4 of 6
Substance	Name	CAS No.	EC No.	<u>Result</u> Concentratio	RL (%) n
	*	7784-40-9	232-064-2	(%) ND	0.005
Lead hydrogen arsenate Lead styphnate*		15245-44-0	232-064-2 239-290-0	ND	0.005
	w (C L Bigmont	1344-37-2	215-693-7	ND	0.005
Lead sulfochromate yello Yellow 34)*	w (C.I. Fighteni	1344-37-2	210-090-7	ND	0.005
N,N-dimethylacetamide		127-19-5	204-826-4	ND	0.050
Pentazinc chromate octa	bydrovido*	49663-84-5	256-418-0	ND	0.005
	anyuroxide		201-004-7	ND	0.005
Phenolphthalein	*	77-09-8 65996-93-2	266-028-2	ND	0.050
Pitch, coal tar, high temp Potassium chromate*).			ND	0.005
		7789-00-6	232-140-5	ND	
Potassium dichromate*		7778-50-9	231-906-6	ND	0.005
Potassium	diabramata*	11103-86-9	234-329-8	ND	0.005
hydroxyoctaoxodizincate Sodium chromate*	dichromate	7775-11-3	001 000 F	ND	0.005
Sodium dichromate*		7789-12-0	231-889-5 234-190-3	ND	0.005
Socium dichromate			234-190-3	ND	0.005
		and 10588-01-9			
Strontium chromate*		7789-06-2	232-142-6	ND	0.005
Tetraboron disodium her	staavida bydrata*	12267-73-1	235-541-3	ND	0.005
	Slauxiue, fiyurale	79-01-6	201-167-4	ND	0.005
Trichloroethylene Triethyl arsenate*		15606-95-8	427-700-2	ND	0.005
Trilead diarsenate*		3687-31-8	222-979-5	ND	0.005
Tris(2-chloroethyl)phosp	hata	115-96-8	204-118-5	ND	0.000
Zirconia Aluminosilicate		650-017-00-8	204-110-3	ND	0.005
Ceramic Fibres [with Al			-	ND	0.005
present in certain concer					
$(AI \square O \square : 35 - 36 \% w/w,$	5				
w/w , and $ZrO\square$: 15 - 17 °					
Zirconia Aluminosilicate		650-017-00-8	_	ND	0.005
		(Index no.)	-	ND	0.005
Ceramic Fibres (with oxides of aluminium, silicon and zirconium as the main		(Index no.)			
components present in variable concentration ranges)*					
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) \triangle CAS No. of diastereoisomers identified (α -HBCDD, β -HBCDD, γ -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					

I he test result is based on the calculation of selected element(s) / marker(s) and to the (ປ) 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 Calculated concentration of boric acid, disodium tetraborate, anhydrous and tetraboron disodium heptaoxide, hydrate are based on the water extractive 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%

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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) 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:

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(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 ≥ 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.

End of Report

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