

Test Report	No. NB1224587TX	Date: Nov 14, 2012	Page 1 of 5
NINGBO MATTHEW SYN 613 JINDU INTERNATION P.R.CHINA	THETIC LEATHER CO.,LTD IAL, NO. 345, SOUTHERN SE	CTION, HUANCHENG RD, WES	ST, NINGBO,
The following sample(s) wa	as/were submitted and identifie	d on behalf of the client as:	
Sample Description	: (A-B) PU: polyurethane/p	oolyester/cotton in (A)black (B) s	silver for
Style No. Manufacturer Country of Destination	: PU leather of Satin : NINGBO MATTHEW SY : USA, Europe	NTHETIC LEATHER CO.,LTD	
Test Performed	Selected test(s) as requester	d by applicant	
*	* *	* *	
Sample Receiving Date	NOV. 09, 2012		
Testing Period	NOV. 09, 2012 –NOV. 14, 20	012	
Test Result(s)	For further details, please re	fer to the following page(s).	

Signed for and on behalf of SGS-CSTC Ltd.

essico zhou

Jessica Zhou (Account Executive)

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	<u>Test Res</u>	<u>sult</u>	
Free Formaldehyde Cor	(A)- <u>With r</u> n tent (ISO 14184-1:2011)	on-leather	
(mg/kg)	Ν	D	
Note: (1) ND= not dete (2) Detection Lim	ctable nit = 16 mg/kg		
Test Part Description :			
Specimen No. A	Description black non-leathe	r	

Biocide***

В

Test Method: With reference to US EPA3550C :2007, analysis wasperformed by HPLC-DAD.

silver non-leather

<u>Test Item(s)</u>	Α	В
2-Methyl-4-isothiazolin-3-one hydrochloride(MIT)	ND	ND
5-Chloro-2-methyl-4-isothiazolin-3-one(CIT)	ND	ND
2-Octyl-4- isothiazolin-3-one(OIT)	ND	ND
1,2-Benzylisothiazolin-3(2H)-one(BIT)	ND	ND
Triclosan	ND	ND

Notes :

MDL(Method Detection Limit)=10 mg/kg ND = Not Detected(< MDL)

Remarks :

(1) 1 mg/kg = 1 ppm = 0.0001%

(2) MDL = Method Detection Limit

(3) ND = Not Detected (< MDL)

(4) "-" = Not Regulated

*** This test was carried out by SGS S.H. Chemical Laboratory.

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Phthalates

Test Method: With reference to EN14372: 2004, analysis was performed by GC-MS.

Test Item(s)	A+B
Dibutyl Phthalate (DBP)	ND
Benzylbutyl Phthalate (BBP)	ND
Bis-(2-ethylhexyl) Phthalate (DEHP)	ND
Diisononyl Phthalate (DINP)	ND
Di-n-octyl Phthalate (DNOP)	ND
Diisodecyl Phthalate (DIDP)	ND
Total (DBP+BBP+DEHP+DINP+DNOP+DIDP)	ND

Notes :

MDL(Method Detection Limit):

DBP, BBP, DEHP and DNOP = 0.003% (for individual compound)

DINP and DIDP = 0.01% (for individual compound)

DBP,BBP,DEHP Reference information: Entry 51 of Regulation (EC) No 552/2009 amending Annex

- XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC):
 i) Shall not be used as substances or in mixtures, in concentrations greater than 0.1 % by weight of the plasticised material, in toys and childcare articles.
- ii) Toys and childcare articles containing these phthalates in a concentration greater than 0.1 % by weight of the plasticised material shall not be placed on the market.

Please refer to Regulation (EC) No 552/2009 to get more detail information

DINP, DNOP, DIDP Reference information: Entry 52 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2005/84/EC).

i) Shall not be used as substances or in mixtures, in concentrations greater than 0.1 % by weight of the plasticised material, in toys and childcare articles which can be placed in the mouth by children.

ii) Such toys and childcare articles containing these phthalates in a concentration greater than

0.1 % by weight of the plasticised material shall not be placed on the market.

Please refer to Regulation (EC) No 552/2009 to get more detail information

ND = Not Detected(< MDL)

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Commission Regulation (EU) No 412/2012 and Entry 61 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Dimethyl fumarate(DMF)

Test Method : With reference to US EPA 3550C:2007, solvent extraction, analysis was performed by GC-MS.

<u>Test Item(s)</u>	Α	В
Dimethyl fumarate(DMF)	ND	ND

Notes :

Method Detection Limit = 0.1mg/kg ND = Not Detected(< MDL) Recommended Max. Limit =0.1mg/kg Recommended Max. Limit specified by Commission Regulation (EU) No 412/2012 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Commission Decision 2011/135/EU).

The selected component is tested as per client's requested.

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Azo Dyes

Test Method : Textile: According to EN 14362-1:2003 - Analysis was conducted with GC-MS/HPLC-DAD. Polyester: According to EN 14362-2:2003 - Analysis was conducted with GC-MS/HPLC-DAD.

Test Item(s)	CAS NO	Res A+	Result	
<u>restrictin(s)</u>	0/0_10	EN14362-1	EN14362-2	
4-Aminobiphenyl	92-67-1	ND	ND	
Benzidine	92-87-5	ND	ND	
4-chloro-o-toluidine	95-69-2	ND	ND	
2-naphthylamine	91-59-8	ND	ND	
o-aminoazotoluene	97-56-3	ND	ND	
5-nitro-o-toluidine /	99-55-8	ND	ND	
2-Amino-4-nitrotoluene				
4-chloroaniline	106-47-8	ND	ND	
4-methoxy-m-phenylenediamine /	615-05-4	ND	ND	
2,4-Diaminoanisole				
4,4'-diaminodiphenylmethane	101-77-9	ND	ND	
3,3'-dichlorobenzidine	91-94-1	ND	ND	
3.3'-dimethoxybenzidine	119-90-4	ND	ND	
3,3'-dimethylbenzidine	119-93-7	ND	ND	
3,3'-Dimethyl-4,4'-diaminodiphenylmet	838-88-0	ND	ND	
hane / 4,4'-methylenedi-o-toluidine				
p-cresidine	120-71-8	ND	ND	
4,4'-methylene-bis-(2-chloroaniline)	101-14-4	ND	ND	
4,4'-oxydianiline	101-80-4	ND	ND	
4,4'-thiodianiline	139-65-1	ND	ND	
o-toluidine	95-53-4	ND	ND	
4-methyl-m-phenylenediamine /	95-80-7	ND	ND	
2,4-Toluylendiamine				
2,4,5-trimethylaniline	137-17-7	ND	ND	
4-aminoazobenzene	60-09-3	ND	ND	
O-Anisidine	90-04-0	ND	ND	
Conclusion		PASS	PASS	

Notes : n.d. = not detected

Detection Limit = 5 mg/kg (for individual compound)

Max. Limit : 30 mg/kg (for individual compound)

Whenever 4-aminodiphenyl (CAS number 92-67-1), 2-naphylamine (CAS number 91-59-8) and

4-methoxy-m-phenylene-diamine (CAS number 615-05-4) is found, the use of banned azo colorants cannot be reliably ascertained without additional information, e.g. the chemical structure of the colorants used. In case polyurethane materials are used, e.g. PU foams and coatings and in prints, it cannot be ruled out that certain amines, e.g. 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) and 2,4-toluylen-diamine (TDA, CAS number 95-80-7) are released from the PU component and not from a banned azo colorant.

In case of pigment prints care has to be taken that 4,4'-methylene-dianiline (MDA, CAS number 101-77-9) is not released from a source of banned azo colorants but from e.g. a chemical fixing agent.

Remark: Test result for 4-aminoazobenzene (CAS no.: 60-09-3) is considered as "not detected" (i.e.

<5mg/kg) since both aniline and/or 1,4-phenylenediamine is not found (i.e. <5mg/kg) by mentioned test method Max. limit specified by entry 43 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2002/61/EC).

Remark:

Test was conducted on composite of random parts of the item as per client's request and the test result is the overall result.

End of Report

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o.Ltd. Ninabo B Laboratory

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