



## Test Report

No.: GZ1008092286/CHEM

Date: AUG 16, 2010

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WUJIANG BOWEITON TEXTILE CO., LTD  
TING XIN INDUSTRIAL ZONE, SHENGZE TOWN, WUJIANG CITY, JIANGSU, CHINA, PAVILION CENTER  
DEVELOPMENT

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

SGS Job No. : XM12674939EC  
SGS Internal Reference No. : 3.1  
Client Reference Information : Material : 涤纶  
Date of Sample Received : AUG 10, 2010  
Testing Period : AUG 10, 2010 TO AUG 16, 2010

Test Requested : Selected test (s) as requested by client.

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

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

Signed for and on behalf of  
SGS-CSTC Ltd.

Manson Yang  
Approved Signatory

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198 Kezhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075113 www.cn.sgs.com  
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075113 e sgs.china@sgs.com

Member of the SGS Group (SGS SA)

**Test result:**

Description for specimen 1 : Beige sheet

**Azo Dye**

Test item(s)	Unit	Test Method (Reference)	Result	MDL
4-Aminobiphenyl/xenylamine/biphenyl-4-ylamine (CAS NO: 92-67-1)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
Benzidine (CAS NO: 92-87-5)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
4-Chloro- <i>o</i> -toluidine (CAS NO: 95-69-2)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
2-Naphthylamine (CAS NO: 91-59-8)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
<i>o</i> -Aminoazotoluene/4- <i>o</i> -Tolylazo- <i>o</i> -toluidine/4-Amino-2',3-dimethylazobenzene (CAS NO: 97-56-3)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
2-Amino-4-nitrotoluene/5-nitro- <i>o</i> -toluidine (CAS NO: 99-55-8)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
<i>p</i> -Chloroaniline /4-Chloroaniline (CAS NO: 106-47-8)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
2,4-Diaminoanisole/4-Methoxy- <i>m</i> -phenylenediamine (CAS NO: 615-05-4)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
4,4'-Diaminodiphenylmethane/4,4'-Methylenedianiline (CAS NO: 101-77-9)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
3,3'-Dichlorobenzidine/3,3'-Dichlorobiphenyl-4,4'-ylenediamine (CAS NO: 91-94-1)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
3,3'-Dimethoxybenzidine/ <i>o</i> -Dianisidine (CAS NO: 119-90-4)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
3,3'-Dimethylbenzidine/4,4'-Bi- <i>o</i> -toluidine (CAS NO: 119-93-7)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
3,3'-Dimethyl-4,4'-diaminodiphenylmethane/4,4'-methylenedi- <i>o</i> -toluidine (CAS NO: 838-88-0)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
<i>p</i> -Cresidine/6-Methoxy- <i>m</i> -toluidine (CAS NO: 120-71-8)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
4,4'-Methylene-bis-(2-chloro-aniline)/2,2'-Dichloro-4,4'-methylene-dianiline (CAS NO: 101-14-4)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
4,4'-Oxydianiline (CAS NO: 101-80-4)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
4,4'-Thiodianiline (CAS NO: 139-65-1)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
<i>o</i> -Toluidine/2-Aminotoluene (CAS NO: 95-53-4)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
2,4-Toluylenediamine/4-Methyl- <i>m</i> -phenylenediamine (CAS NO: 95-80-7)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
2,4,5-Trimethylaniline (CAS NO: 137-17-7)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
4-Aminoazobenzene <sup>A</sup> (CAS NO: 60-09-3)	mg/kg	EN 14362-2:2003 & §64 LFGB BVL B 82.02.9:2008, GC-MS & HPLC	N.D.	5
<i>o</i> -Anisidine/2-Methoxyaniline (CAS NO: 90-04-0)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
2,4-Xylidine (CAS NO: 95-68-1)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
2,6-Xylidine (CAS NO: 87-62-7)	mg/kg	EN 14362-2:2003, GC-MS & HPLC	N.D.	5
<b>Overall Rating</b>			<b>Pass</b>	

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**Note:**

1. mg/kg = ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit
4. EN 14362-2:2003 is corresponding to § 64 LFGB BVL B 82.02.4:2004 of German Commodities Ordinance.
5. <sup>Δ</sup>: The EN 14362-2:2003 method will enable further cleavage of 4-aminoazobenzene to non- forbidden amines: aniline and 1,4-phenylenediamine. If the 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. Otherwise, the test method of § 64 LFGB BVL B 82.02.9:2008 was employed to verify the presence of 4-aminoazobenzene.

**Forbidden Arylamines for Azo Dye Regulations**

From the top down 1-22 –Requirement of 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)

From the top down 1-20, 22-24 – Client requirement

**Comment :** Based on the test result, azo colorants which can release one or more of the listed amines by cleavage of their azo groups were not detected in sample (s) or the commodity submitted.

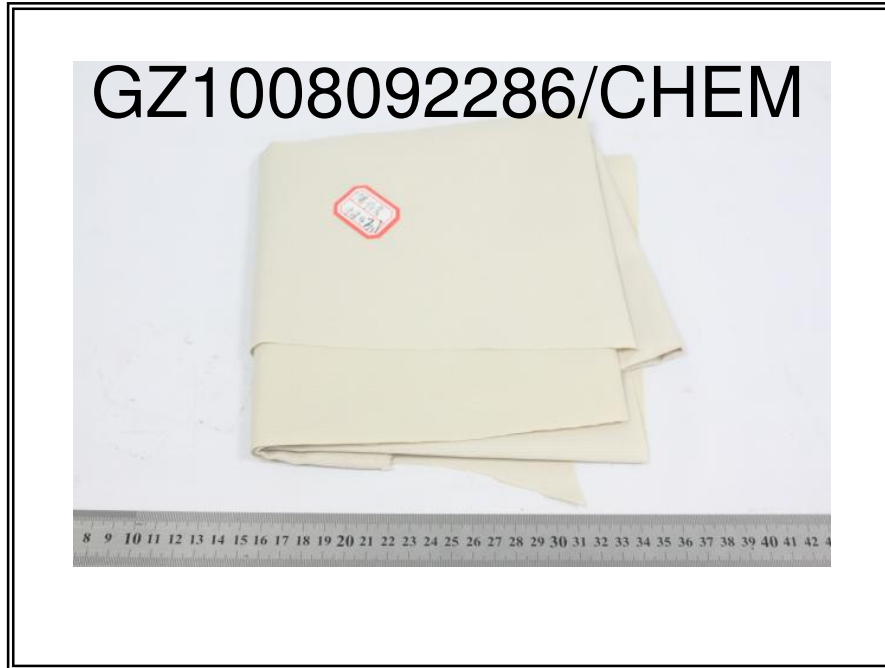
Entry 43 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 2002/61/EC) :

No relevant amine exceeding 30 mg/kg

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Sample photo :



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

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