



Test Report

No. SH7101725/TX

Date: Sep 10, 2007

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NINGBO V-BABY CO.,LTD NO. 157, XIUFENG ROAD, INDUSTRIAL ZONE, GAOQIAO, NINGBO

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

Sample Description : One sample of knitted 100% cotton cutting in purple printed

Country of Destination : E. E. C.

Test Performed : Selected test(s) as requested by applicant

* * * * *
Sample Receiving Date : SEP. 04, 2007

Testing Period : SEP. 05, 2007 – SEP. 10, 2007

Test Result(s) : For further details, please refer to the following page(s).

Signed for and on behalf of
SGS-CSTC Ltd.

Joyce Li (Account Executive)

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SGS-CSTC Standards Technical Services Co., Ltd. | 1/F, the 3rd Building, No.889, Yixian Road, Xuhui District Shanghai, China 200233 | t+86 21 54644580*801 | f+86 21 64988763
Shanghai Branch, Testing Center-Textile Laboratory | 中國, 上海, 徐匯區宜山路 889 號 3 号楼 1 樓郵編: 200233 | t+86 21 5 4644580*801 | f+86 21 64988763 | www.sgs.com

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Test Result
Detection and Determination of Certain Listed Aromatic Amines Derived from Azo Colorants

As per EN 14362-1: 2003 - Direct test on coloured textiles – Detection of the use of certain azo colorants are accessible to reducing agents without extraction with the use of Gas Chromatographic Mass Spectrometry (GC-MS).

<u>No.</u>	<u>Forbidden Amines Substances</u>	<u>CAS-No.</u>	<u>Result With Print</u>
1.	4-aminodiphenyl/xenylamine/ Biphenyl-4-ylamine	92-67-1	ND
2.	Benzidine	92-87-5	ND
3.	4-chlor- <i>o</i> -toluidine	95-69-2	ND
4.	2-naphthylamine	91-59-8	ND
5.	<i>o</i> -aminoazotoluene/ 4- <i>o</i> -tolylazo- <i>o</i> -toluidine/ 4-amino-2',3-dimethylazobenzene	97-56-3	ND
6.	2-amino-4-nitrotoluol/5-nitro- <i>o</i> -toluidine	99-55-8	ND
7.	<i>p</i> -chloranilin/4-chloroaniline	106-47-8	ND
8.	2,4-diaminoanisol/ 4-methoxy- <i>m</i> -phenylenediamine	615-05-4	ND
9.	4,4'-diaminodiphenylmethane/ 4,4-methylenedianiline	101-77-9	ND
10.	3,3'-dichlorobenzidine/ 3,3'dichlorobiphenyl-4,4'-ylenediamine	91-94-1	ND
11.	3,3'-dimethoxybenzidine/ <i>o</i> -dianisidine	119-90-4	ND
12.	3,3'-dimethybenzidine/4,4'-bi- <i>o</i> -Toluidine	119-93-7	ND
13.	3,3'-dimethyl-4,4'-diaminodipenylmethane/ 4,4'-methylenedi- <i>o</i> -toluidine	838-88-0	ND
14.	<i>p</i> -cresidin/6-methoxy- <i>m</i> -toluidine	120-71-8	ND
15.	4,4'-methylen-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4'methylene-dianiline	101-14-4	ND
16.	4,4'-oxydianiline	101-80-4	ND
17.	4,4'-thiodianiline	139-65-1	ND
18.	<i>o</i> -toluidine/2-aminotoluene	95-53-4	ND
19.	2,4-toluylendiamine/ 4-methyl- <i>m</i> -phenylenediamine	95-80-7	ND
20.	2,4,5-trimethylaniline	137-17-7	ND
21.	4-aminoazobenzene*	60-09-3	ND
22.	<i>o</i> -anisidine/ 2-methoxyaniline	90-04-0	ND
23.	2,4-Xylidine	95-68-1	ND
24.	2,6-Xylidine	87-62-7	ND
Overall Rating			PASS

Relevant Requirement (2002/61/EC) :

No relevant amine exceeding 30 ppm (mg/kg)



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Note : ND = Not Detectable

Detection Limit = 5 ppm (mg/kg)

*: If the EN 14362-1 method enabled further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline or 1,4-phenylenediamine, therefore, the test method of LFGB § 64 BVL B 82.02.9 would be employed to verify the presence of 4-aminoazobenzene

If the amines are detected by GC-MS method, then confirmation must be made using TLC method.

EN 14362-1 for European directive 2002/61/EC is corresponding to LFGB § 64 BVL B 82.02.2 of the German Act for Food, Commodity and Feed.

Forbidden Arylamines for Azo Dye Regulations

- No. 1-22 – Commission of the European Communities: Directive 2002/61/EC adopted by the Council on 19 July 2002
- No. 23-24 – 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 group/s were not detected in sample (s) or the commodity submitted.

Free Formaldehyde Content (EN ISO 14184-1-1999)

(mg/kg) ND

Note: (1) ND = Not Detectable
(2) Detection Limit = 20 ppm

End of Report

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Shanghai Branch, Testing Center-Textile Laboratory | 中國，上海，徐匯區宜山路 889 號 3 号楼 1 樓郵政編碼：200233 | +86 21 54645800 | +86 21 64988763 | www.sgscstc.com

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