



Test Report

No. GZSL1012086887TX

Date: Dec 20, 2010

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CT CORPORATION LTD.
NO.3 SHUNZHAN NORTH ROAD, PHASE II HEGUI INDUSTRIAL PARK, HESHUN LISHUI TOWN NANHAI DISTRICT FOSHAN GUANGDONG, CHINA.

The following sample was submitted and identified on behalf of the client as:

One sample of 80% polyester 20% polyamide microfiber yarn in blue for cleaning.

Style No. : VM30035, VM304040, EC283060, EC283535, GC32535, GC323535, GC324040, SC1250, SC1350, SC1450, SC2250, SC2350, SC2450, DM 24MR, DM 36MR, DM 60MR, DM 80MR, DM 100MR, KM M210, KM M270, KM M325, MRM 240, FMR A29, FMR A44, FMR A54, FMR A64, FMR B44, FMR B54, FMR B64, FMR D44, FMR D54, FMR D64

Sample Receiving Date : Dec 14, 2010

Test Performing Period : Dec 14, 2010 - Dec 17, 2010

Test Performed : Selected tests as requested by applicant.

* * * *

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

Signed for and on behalf of
SGS-CSTC Ltd.

Lily Wang
Account Supervisor

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Test Report – Picture Page

Sample



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Test Results:

Requirement

Free Formaldehyde Content

(EN ISO 14184-1:1999.)

Result (ppm)

24

Max. 75ppm

Note : - N.D. = Not Detected

- Detection Limit = 20 ppm

- ppm = mg/kg

Azo Dyes

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

Amines	CAS No.	Result (mg/kg)		Max. Limit (mg/kg)
		1		
		EN 14362-1	EN 14362-2	
4-Aminobiphenyl	92-67-1	ND	ND	30
Benzidine	92-87-5	ND	ND	30
4-Chlor-o-toluidine	95-69-2	ND	ND	30
2-Naphthylamine	91-59-8	ND	ND	30
o-Aminoazotoluene	97-56-3	ND	ND	30
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	ND	ND	30
4-Chloroaniline	106-47-8	ND	ND	30
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	ND	ND	30
4,4'-Diaminodiphenylmethane	101-77-9	ND	ND	30
3,3'-Dichlorobenzidine	91-94-1	ND	ND	30
3,3'-Dimethoxybenzidine	119-90-4	ND	ND	30
3,3'-Dimethylbenzidine	119-93-7	ND	ND	30
4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	ND	ND	30
p-Cresidine	120-71-8	ND	ND	30
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	ND	ND	30
4,4'-Oxydianiline	101-80-4	ND	ND	30
4,4'-Thiodianiline	139-65-1	ND	ND	30
o-Toluidine	95-53-4	ND	ND	30
4-methyl-m-phenylenediamine / 2,4-Toluylendiamine	95-80-7	ND	ND	30
2,4,5-Trimethylaniline	137-17-7	ND	ND	30
4-aminoazobenzene	60-09-3	ND	ND	30
O-Anisidine	90-04-0	ND	ND	30
Conclusion		Pass	Pass	

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Note: ND = not detected
Detection Limit = 5 mg/kg (for individual compound)

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).

PCP

Test Method: With reference to Modified §64 LFGB 82.02.8 - Alkaline (KOH) digestion. Analysis was conducted by GC-ECD

Test Item(s)	Result (mg/kg)
	1
Pentachlorophenol (PCP)	ND

Note: ND = Not detected
Detection Limit = 0.5mg/kg

Allergenic Disperse Dyes

Test Method: With reference to DIN 54231:2005 – Analysis was conducted with HPLC-DAD-MSD.

Disperse Dyes		Result (mg/kg)
	CAS No.	1
C.I. Disperse Blue 1 (Structure No: C.I. 64 500)	2475-45-8	ND
C.I. Disperse Blue 3 (Structure No: C.I. 61 505)	2475-46-9	ND
C.I. Disperse Blue 7 (Structure No: C.I. 62 500)	3179-90-6	ND
C.I. Disperse Blue 26 (Structure No: C.I. 63 305)	3860-63-7	ND
C.I. Disperse Blue 35	56524-77-7 and 56524-76-6	ND
C.I. Disperse Blue 102	12222-97-8	ND
C.I. Disperse Blue 106	12223-01-7	ND
C.I. Disperse Blue 124	61951-51-7	ND
C.I. Disperse Brown 1	23355-64-8	ND
C.I. Disperse Orange 1 (Structure No: C.I. 11 080)	2581-69-3	ND
C.I. Disperse Orange 3 (Structure No: C.I. 11 005)	730-40-5	ND
C.I. Disperse Orange 37/76	13301-61-6	ND

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Disperse Dyes		Result (mg/kg)
	CAS No.	1
C.I. Disperse Red 1 (Structure No: C.I. 11 110)	2872-52-8	ND
C.I. Disperse Red 11 (Structure No: C.I. 62 015)	2872-48-2	ND
C.I. Disperse Red 17 (Structure No: C.I. 11 210)	3179-89-3	ND
C.I. Disperse Yellow 1 (Structure No: C.I. 10 345)	119-15-3	ND
C.I. Disperse Yellow 3 (Structure No: C.I. 11 855)	2832-40-8	ND
C.I. Disperse Yellow 9 (Structure No: C.I. 10 375)	6373-73-5	ND
C.I. Disperse Yellow 39	--	ND
C.I. Disperse Yellow 49	54824-37-2	ND

Note: ND = not detected
Detection Limit = 15 mg/kg (for individual compound)

Carcinogenic Dye

Test Method: With reference to DIN 54231:2005 – Analysis was conducted with HPLC-DAD-MSD.

Carcinogenic Dyes		Result (mg/kg)
	CAS No.	1
C.I. Acid Red 26 (Structure No: C.I. 16 150)	3761-53-3	ND
C.I. Basic Red 9 (Structure No: C.I. 42 500)	569-61-9	ND
C.I. Direct Black 38 (Structure No: C.I. 30 235)	1937-37-7	ND
C.I. Direct Blue 6 (Structure No: C.I. 22 610)	2602-46-2	ND
C.I. Direct Red 28 (Structure No: C.I. 22 120)	573-58-0	ND
C.I. Basic Violet 14 (Structure No: C.I. 42 510)	632-99-5	ND
C.I. Disperse Orange 11 (Structure No: C.I. 60 700)	82-28-0	ND
C.I. Disperse Blue 1 (Structure No: C.I. 64 500)	2475-45-8	ND
C.I. Disperse Yellow 3 (Structure No: C.I. 11 855)	2832-40-8	ND

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Note: ND = not detected
Detection Limit = 15 mg/kg (for individual compound)

Test Part Description:

1. Blue thread

*** End of Report ***

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