

Textile Laboratory

Test Report

No: TX20702 /2021 /LI

Date: Feb. 20, 2021

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Taiwan Jing Fu Material Co., Ltd.
No. 18, Ln. 83, Huaqiao St., Huatan Township,
Changhua County 503, Taiwan (R.O.C.)

The following sample was submitted and identified by applicant as:

Sample Description	:	One sample of non-woven
Color	:	Red
Fiber Content	:	PP
Applicant	:	Taiwan Jing Fu Material Co., Ltd.
Sample Receiving Date	:	Feb. 08, 2021
Test Performance Period	:	Feb. 08, 2021 to Feb. 20, 2021
Test Performed	:	Selected testing parts and items specified by client, in accordance with CNS 15290 Safety of Textile (General Requirements): In accordance with CNS 15290 Safety of Textile (General Requirements): 『Azo Colorants』
Test Results	:	For further details, please refer to the following page(s).

Signed for and on behalf of
SGS Taiwan Ltd.

Ronnie Chang

Chang Chia Hao, Ronnie
Asst. Manager



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Test Results:

Azo Colorants

Test Method: According to CNS 16113-1 L3280-1/CNS 16113-3 L3280-3. Analysis was conducted with GC-MS/HPLC DAD.

	CAS No.	Result (mg/kg)	CNS 15290 Recommend Max. Limit (mg/kg)
		With extracting	
		1	
4-Aminobiphenyl	92-67-1	ND	30
Benzidine	92-87-5	ND	30
4-Chlor-o-toluidine	95-69-2	ND	30
2-Naphthylamine	91-59-8	ND	30
o-Aminoazotoluene	97-56-3	ND	30
5-nitro-o-toluidine / 2-Amino-4-nitrotoluene	99-55-8	ND	30
4-Chloroaniline	106-47-8	ND	30
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	ND	30
4,4'-Diaminodiphenylmethane	101-77-9	ND	30
3,3'-Dichlorobenzidine	91-94-1	ND	30
3,3'-Dimethoxybenzidine	119-90-4	ND	30
3,3'-Dimethylbenzidine	119-93-7	ND	30
4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	ND	30
p-Cresidine	120-71-8	ND	30
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	ND	30
4,4'-Oxydianiline	101-80-4	ND	30
4,4'-Thiodianiline	139-65-1	ND	30
o-Toluidine	95-53-4	ND	30
4-methyl-m-phenylenediamine / 2,4-Toluyldiamine	95-80-7	ND	30
2,4,5-Trimethylaniline	137-17-7	ND	30
O-Anisidine	90-04-0	ND	30
4-aminoazobenzene	60-09-3	ND	30

Sample Description:

1. One sample of non-woven in red.

Note: ND = Not Detected
Report Limit = 5 mg/kg

Remark: 4-Aminodiphenyl (CAS No. 92-67-1), 2-Naphthylamine (CAS No. 91-59-8) and 2,4-Diaminoanisole (CAS No. 615-05-4) can be indirectly generated from some colorants which do not contain these amines azo bound. The use of banned azo colorants cannot be reliably ascertained without additional information.

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In case PU is used, e.g. PU Foams or coatings, it cannot be ruled out that MDA (CAS No. 101-77-9) and TDA (CAS No. 95-80-7) can be released from PU material, not from banned azo colorant. Similarly, for pigment prints, MDA will be released from a chemical fixing agent.

CNS 16113-1 L3280-1 will enable further cleavage of 4-AAB (CAS No. 60-09-3) to non-forbidden amines: aniline and p-phenylenediamine. If aniline and/or p-phenylenediamine is not found, 4-AAB is considered as "n.d." (i.e. <5.0 mg/kg). Otherwise, CNS 16113-3 L3280-3 will be employed to verify the presence of 4-AAB.

Tested by relevant SGS laboratory.

Remark: This test report is the test result issued by the testing institution as requested by the consignor.

*** End of Report ***

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