

Textile Laboratory

Test Report

No: TX20706 /2021 /PL

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	:	Black
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): 1) Lead 2) Azo Colorants 3) Cadmium
Test Results	:	For further details, please refer to the following page(s).

Signed for and on behalf of
SGS Taiwan Ltd.

Iris Chu

Chu Pei Hsin, Iris
Test Specialist



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1.Migration of Lead

Method: According to CNS 4797-2 Z 7066-2, analysis was conducted by ICP-OES

	Result (mg/kg)	CNS 15290 Recommend Max. Limit (mg/kg)
Lead	ND	90

Note: ND = Not Detected
Report Limit: 1 mg/kg

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Test Results:

2.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	
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

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.

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.

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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.

Test Results:

3.Migration of Cadmium

Method: According to CNS 4797-2 Z 7066-2 , analysis was conducted by ICP-OES

	Result (mg/kg)	CNS 15290 Recommend Max. Limit (mg/kg)
Cadmium	ND	Usage Ban

Note: ND = Not Detected
 Report Limit: 1 mg/kg

Above test items were tested by relevant SGS laboratories.

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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