

Applicant: FOSHAN YIROUFANG TEXTILE MANUFACTURE CO.,LTD.
Address: 6F A, NO.19 SHA FU ROAD, XIN HUA XI VILLAGE, LONG JIANG TOWN, SHUNDE DISTRICT, FOSHAN CITY, CHINA

Test Report

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Samples photograph



NBTS authenticate the photograph on original report only

*** End of Report ***

Signed for and on behalf of Guangdong NewBest Testing Service Co., Ltd.

Approved by:



Manager

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The following merchandise were submitted and identified by the clients as:

Sample Name: Blanket

The following information were confirmed by the laboratory:

Testing Period: From October 11, 2023 to October 20, 2023

Test Results: Please refer to next page(s)

Summary of test results

Test Requested		Conclusion
1	Fabric Weight Per unit Area in submitted sample by client's request.	FAIL
2	Tensile Strength in submitted sample by client's request.	PASS
3	Fiber Analysis test in submitted sample by client's request	DATA
4	pH Value in submitted sample by client's request	PASS
5	The listed aromatic amines (azo colourants) content in submitted sample by client's request	PASS
6	Free and Hydrolyzed Formaldehyde Content in submitted sample by client's request	PASS

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Test results:

Tested part(s) description:

Test Item(s)	Description	Location
I001	Light brown fabric	Blanket
I002	Dark brown fabric	Binding

1. Fabric Weight Per unit Area^{s#}

Test Method: ISO 3801:1977 Method 5

Test Item(s)	Client's Requirement (g/m ²)	Results (g/m ²)	Conclusion
I001	650±35	463	FAIL

2. Tensile Strength^{s#}

Test Method: ISO 13934.1:2013 Strip test

Test item			Client's Requirement	Results	Conclusion
I001	Breaking force (daN)	One side	≥40	73	PASS
		The other side	≥30	41	
	Elongation (%)	One side	≥20	40.5	
		The other side	≥25	38.0	

3. Fiber Analysis^{s#}

Test Method: ISO 1833-4:2017

Based on moisture regain weight.

Test Item(s)	Client's Requirement (%)	Results (%)	Conclusion
I001	--	Wool:53.8 Polyester:46.2	DATA

Note:Moisture Regain of polyester-1.5%, wool-18.25%.

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4. pH Value

Test Method I: ISO 3071: 2020 by using potassium chloride (KCl) solution as extract solution.

Test Method II: ISO 3071: 2020 by using water as extract solution.

Client's requirement	5.0-8.0		
-	Unit	Result	
Test Item(s)	--	I001	I002
Test Method	--	I	I
pH Value	--	6.65	6.61
Conclusion	--	PASS	PASS

Note: Result was reported the average value from two trials.

5. The listed aromatic amines (azo colourants) content

Test Method I: EN ISO 14362-1:2017,analyzed by Gas Chromatography-Mass Spectrometer(GC-MS).

Test Method II: EN ISO 17234-1: 2020

Analyte	CAS No.	Client's Requirement (mg/kg)	Result (mg/kg)
			Test Item(s)
			I001+I002
4-aminobiphenyl	92-67-1	N.D.	N.D.
Benzidine	92-87-5	N.D.	N.D.
4-chloro-o-toluidine	95-69-2	N.D.	N.D.
2-naphthylamine	91-59-8	N.D.	N.D.
o-aminoazotoluene	97-56-3	N.D.	N.D.
5-nitro-o-toluidine	99-55-8	N.D.	N.D.
4-chloroaniline	106-47-8	N.D.	N.D.
4-methoxy-m-phenylenediamine	615-05-4	N.D.	N.D.
4,4'-diaminodiphenylmethane	101-77-9	N.D.	N.D.
3,3'-dichlorobenzidine	91-94-1	N.D.	N.D.
3,3'-dimethoxybenzidine	119-90-4	N.D.	N.D.
3,3'-dimethylbenzidine	119-93-7	N.D.	N.D.
4,4'-methylenedi-o-toluidine	838-88-0	N.D.	N.D.
p-cresidine	120-71-8	N.D.	N.D.
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	N.D.	N.D.
4,4'-oxydianiline	101-80-4	N.D.	N.D.
4,4'-thiodianiline	139-65-1	N.D.	N.D.
o-toluidine	95-53-4	N.D.	N.D.
4-methyl-m-phenylenediamine	95-80-7	N.D.	N.D.
2,4,5-trimethylaniline	137-17-7	N.D.	N.D.
o-anisidine	90-04-0	N.D.	N.D.

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Analyte	CAS No.	Client's Requirement (mg/kg)	Result (mg/kg)
			Test Item(s)
			I001+I002
4-amino azobenzene	60-09-3	N.D.	N.D.
2,6-xylydine	87-62-7	N.D.	N.D.
Test Method	--	--	I
Conclusion	--	--	PASS

Note: N.D.= Not Detected(<MDL)
mg/kg = milligram per kilogram = ppm = part per million
MDL= Detection Limit (mg/kg): 5
Results shown are of the total weight of mixed samples.

Remark: The CAS-number 97-56-3 (no. 5) and 99-55-8 (no. 6) are further reduced to CAS-number 95-53-4 (no. 18) and 95-80-7 (no. 19), respectively.
The colorant(s) of Test Item(s), that are able to form 4-aminoazobenzene, is (are) able to generate aniline and 1,4-phenylenediamine under the condition of Test Method.
The absence of 4-aminoazobenzene is inferred by the absence of aniline and 1,4-phenylenediamine under the condition of Test Method.

6. Free and Hydrolyzed Formaldehyde Content

Test Method: ISO 14184-1:2011, Analyzed by ultraviolet visible spectrophotometer.

Client's Requirement	30 mg/kg	
Test Item(s)	Result (mg/kg)	Conclusion
I001	19	PASS
I002	19	PASS

Note: N.D.= Not Detected(<MDL)
mg/kg = milligram per kilogram = ppm = part per million
MDL= Detection Limit (mg/kg): 16

Disclaimer Measurement Uncertainty:

Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as PASS nor as FAIL.

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