



TEST REPORT

Test Report # 19A-005227 Date of Report Issue: September 4, 2019
Date of Sample Received: August 29, 2019 Pages: Page 1 of 11

CLIENT INFORMATION:

Company: SHAOXING RED GRAPE TEXTILE DECORATION CO.,LTD.
Address: NINGWU MOUNTAIN, FUSHENG TOWN, SHAOXING, ZHEJIANG, CHINA



SAMPLE INFORMATION:

Product Name: roller blind fabric
Style No.: - Labeled Age Grade: -
Order No.(PO No.): - Client Request Age Grade: -
Country of Origin: - Recommended Age Grade: -
Country of Distribution: - Tested Age Grade: -
Testing Period: 08/29/2019-09/04/2019

OVERALL RESULT:

 **PASS**

Please refer to the following pages for test result summary and appropriate notes.

HANGZHOU ASIAINSPECTION TESTING
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The test result(s) and conclusion(s) in this report relate to the sample(s) tested as described herein.
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TEST RESULTS SUMMARY:

At the request of the client, the following tests were conducted:

CONCLUSION	TEST(S) CONDUCTED
PASS	GB 18401-2010 National General Safety Technical Code for Textile Products, Determination of pH of aqueous extract
PASS	GB 18401-2010 National General Safety Technical Code for Textile Products, Formaldehyde
PASS	GB 18401-2010 National General Safety Technical Code for Textile Products, Azocolorants
PASS	GB 18401-2010 National General Safety Technical Code for Textile Products- Colour Fastness to Perspiration
PASS	GB 18401-2010 National General Safety Technical Code for Textile Products-Colour Fastness to Water
PASS	GB 18401-2010 National General Safety Technical Code for Textile Products-Colour Fastness to Rubbing
PASS	Colour Fastness to Light
PASS	GB 18401-2010 National General Safety Technical Code for Textile Products- Odor test for textile product



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**DETAILED RESULTS:****GB 18401-2010 National General Safety Technical Code for Textile Products, Determination of pH of aqueous extract**

Test Method: GB/T 7573:2009

Test instrument: pH-meter

Specimen No.	1	2	3	---	---	Limit
Test Item	Result	Result	Result	Result	Result	
pH	5.2	7.1	5.5	---	---	4.0~7.5
Conclusion	PASS	PASS	PASS	---	---	

Note:

pH value of extraction solution=6.2



**DETAILED RESULTS:****GB 18401-2010 National General Safety Technical Code for Textile Products, Formaldehyde**

Test Method: GB/T 2912.1-2009

Analytical Method: Ultraviolet-Visible Spectrophotometry

Category		B: Textile products with direct contact to skin				
Specimen No.		1	2	3	---	---
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)
Formaldehyde	50-00-0	ND	23	ND	---	---
Conclusion		PASS	PASS	PASS	---	---

Note:

mg/kg = Milligrams per kilogram

LT = Less than

ND = Not detected (Reporting Limit = 16 mg/kg)

Category	Formaldehyde (mg/kg)
A: Textile products for infants	20
B: Textile products with direct contact to skin	75
C: Textile products without direct contact to skin	300



**DETAILED RESULTS:****GB 18401-2010 National General Safety Technical Code for Textile Products, Azocolorants**

Test Method: GB/T 17592-2011

Analytical Method: Gas Chromatography with Mass Spectrometry/ Liquid Chromatography-Mass Spectrometer (LC-MS)

Specimen No.		1	2	3	---	Limit (mg/kg)
Test Item	CAS No.	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	Result (mg/kg)	
4-aminobiphenyl	92-67-1	ND	ND	ND	---	20
Benzidine	92-87-5	ND	ND	ND	---	20
4-chloro-o-toluidine	95-69-2	ND	ND	ND	---	20
2-naphtylamine	91-59-8	ND	ND	ND	---	20
o-aminoazotoluene	97-56-3	ND	ND	ND	---	20
5-nitro-o-toluidine	99-55-8	ND	ND	ND	---	20
p-chloroaniline	106-47-8	ND	ND	ND	---	20
2,4-diaminoanisoole	615-05-4	ND	ND	ND	---	20
4,4'-diaminodiphenyl methane	101-77-9	ND	ND	ND	---	20
3,3'-dichlorobenzidine	91-94-1	ND	ND	ND	---	20
3,3'-dimethoxybenzidine	119-90-4	ND	ND	ND	---	20
3,3'-dimethylbenzidine	119-93-7	ND	ND	ND	---	20
3,3'-dimethyl-4,4'-diaminodiphenyl methane	838-88-0	ND	ND	ND	---	20
p-cresidine	120-71-8	ND	ND	ND	---	20
4,4'-methylene-bis-(2-chloro-aniline)	101-14-4	ND	ND	ND	---	20
4,4'-oxydianiline	101-80-4	ND	ND	ND	---	20
4,4'-thiodianiline	139-65-1	ND	ND	ND	---	20
o-toluidine	95-53-4	ND	ND	ND	---	20
2,4-toluylenediamine	95-80-7	ND	ND	ND	---	20
2,4,5-trimethylaniline	137-17-7	ND	ND	ND	---	20
o-anisidine	90-04-0	ND	ND	ND	---	20
4-aminoazobenzene	60-09-3	ND	ND	ND	---	20
2,4 - xylidine	95-68-1	ND	ND	ND	---	20
2,6 - xylidine	87-62-7	ND	ND	ND	---	20
Conclusion		PASS	PASS	PASS	---	

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Note:

mg/kg = milligrams per kilogram

LT = Less than; MT = More than

ND = Not detected (Reporting limit = 5 mg/kg)



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**DETAILED RESULTS:****Colour Fastness to Perspiration**

Test Method: GB/T 3922-2013, test specimen in vertical position.

Specimen No.	1		2		Requirement
Items	Result (Grade)		Result (Grade)		
	<u>Acidic</u>	<u>Alkaline</u>	<u>Acidic</u>	<u>Alkaline</u>	
Change in shade	4-5	4-5	4-5	4-5	Min. 3
Staining on multi-fiber stripe					
-Cotton	4-5	4-5	4-5	4-5	Min. 3
-Polyester	4-5	4-5	4-5	4-5	Min. 3
Conclusion	PASS	PASS	PASS	PASS	-

Specimen No.	3		---		Requirement
Items	Result (Grade)		Result (Grade)		
	<u>Acidic</u>	<u>Alkaline</u>	<u>Acidic</u>	<u>Alkaline</u>	
Change in shade	4-5	4-5	---	---	Min. 3
Staining on multi-fiber stripe					
-Cotton	4-5	4-5	---	---	Min. 3
- Polyester	4-5	4-5	---	---	Min. 3
Conclusion	PASS	PASS	---	---	-

Remark: Grey scale rating is based on the 5-step of 1 to 5, where 1 is bad and 5 is good.



**DETAILED RESULTS:****Colour Fastness to Water**

Test Method: GB/T 5713-2013, test specimen in vertical position.

Specimen No.	1	2	3	---	---	Requirement
Items	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	
Change in shade	4-5	4-5	4-5	---	---	Min. 3
Staining on multi-fiber stripe						
-Cotton	4-5	4-5	4-5	---	---	Min. 3
- Polyester	4-5	4-5	4-5	---	---	Min. 3
Conclusion	PASS	PASS	PASS	---	---	-

Remark: Grey scale rating is based on the 5-step of 1 to 5, where 1 is bad and 5 is good.

Colour Fastness to Rubbing

Test Method: GB/T 3920-2008; Size of rubbing finger: 16mm dia.

Specimen No.	1	2	3	---	---	Requirement
Items	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	
Dry staining	4-5	4-5	4-5	---	---	Min. 3
Conclusion	PASS	PASS	PASS	---	---	-

Remark: Grey Scale rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.



**DETAILED RESULTS:****Colour Fastness to Light**

Test Method: GB/T 8427-2008; Option 3.

Specimen No.	1	2	3	---	---	Requirement
Items	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	Result (Grade)	
Comparison upto blue wool reference 4 (B.W.S)	Above 4	Above 4	Above 4	---	---	Min. 4
Conclusion	PASS	PASS	PASS	---	---	-

Odor test for textile product

Test Method: GB 18401-2010, Clause 6.7

Specimen No.	1	2	3	---	---	Requirement
Items	Result	Result	Result	Result	Result	
Rating	None	None	None	---	---	None
Conclusion	PASS	PASS	PASS	---	---	-

Remark: None: No odour from mould, high boiling fraction of petrol, fish, aromatic hydrocarbons or perfume.



**SPECIMEN DESCRIPTION:**

Specimen No.	Specimen Description	Location
1	Grey synthetic leather	Raw material
2	White synthetic leather	Raw material
3	Beige textile	Raw material





SAMPLE PHOTO:



-End Report-

