



Test Report

Date : 2021-12-13

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No. : ST21120087

Applicant(Code:09303723) : HAINING QIANBAIHUI TEXTILES CO.,LTD
NO.3,XINFENG EAST ROAD,XUCUN,HAINING,ZHEJIANG,
CHINA,314409

Description of Samples : One (1) piece of submitted sample(s) said to be
Fabric
Style No.:VW-21922-02

Date Samples Received : 2021-12-07

Date Tested : 2021-12-07 to 2021-12-13

Investigation Requested : Selected test(s) as detailed herein.

A handwritten signature in black ink, appearing to be 'Steven Li', written over a horizontal line.

Steven, Li
Authorized Signatory



STC (Shanghai) Company Limited

130 Huashen Road, Waigaoqiao Pilot Free Trade Zone, Shanghai, China. Zip Code: 200131

Tel: +86 21 5219 8248 Fax: +86 21 5219 8249 Email: shstc@shstc.org Website: www.stc-group.org

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Test Results:

1.Detection of Banned Azo Colourants

Test Method: ISO 14362-1: 2017

<u>Aromatic Amines</u>		<u>Result(mg/kg)</u>
<u>CAS No.</u>	<u>Name</u>	
92-67-1	4-aminobiphenyl	ND
92-87-5	Benzidine	ND
95-69-2	4-Chloro-o-toluidine	ND
91-59-8	2-Naphthylamine	ND
97-56-3	o-Aminoazotulene	ND
99-55-8	5-Nitro-o-toluidine	ND
106-47-8	4-Chloroaniline	ND
615-05-4	4-Methoxy-m-phenylenediamine	ND
101-77-9	4,4'-Methylenedianiline	ND
91-94-1	3,3'-Dichlorobenzidine	ND
119-90-4	3,3'-Dimethoxybenzidine	ND
119-93-7	3,3'-Dimethylbenzidine	ND
838-88-0	4,4'-Methylenedi-o-toluidine	ND
120-71-8	6-Methoxy-m-toluidine	ND
101-14-4	2,2'-Dichloro-4,4'- methylenedianiline	ND
101-80-4	4,4'-Oxydianiline	ND
139-65-1	4,4'-Thiodianiline	ND
95-53-4	o-Toluidine	ND
95-80-7	4-Methy-m-phenylenediamine	ND
137-17-7	2,4,5-Trimethylaniline	ND
90-04-0	2-Methoxyaniline	ND
60-09-3	4-Amino-azo-benzene	ND
Comment		Pass

- Notes:
1. Client's Requirement = ND.
 2. Method detection limit: 5mg/kg.
 3. mg/kg denotes milligram per kilogram.
 4. ND denotes not detected.

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Test Results:

2. Formaldehyde content

Test Method: ISO 14184-1:2011

<u>Result (mg/kg)</u>	<u>Clients' requirement(mg/kg)</u>	<u>Conclusion</u>
ND	<75	Pass

Notes: 1. Method detection limit =16 mg/kg
2. mg/kg denotes milligram per kilogram

3.PH of water extract of textiles

Test Method: ISO 3071:2020, Water PH:6.3

<u>Result</u>	<u>Clients' requirement</u>	<u>Conclusion</u>
5.2	4.0-9.0	Pass

4. Abrasion Resistance

Test Method: ISO 12947-2:2016, 12kPa

<u>Result (No. of breakage)</u>	<u>Client's Requirement(Rubs)</u>	<u>Comment</u>
> 100000	> 100000	Pass

5. Color fastness to Rubbing

Test Method: ISO 105-X12:2016

<u>Direction</u>	<u>Result(Grade)</u>		<u>Client's Requirement(Grade)</u>	<u>Comment</u>
	<u>Dry</u>	<u>Wet</u>		
Warp	4-5	4	≥4	Pass
Weft	4-5	4	≥4	Pass

Remark: Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is worst and 5 is best.

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6. Color fastness to light

Test Method: ISO 105-B02:2014, Option 3, Standard blue wool NO.4

<u>Result(Grade)</u>	<u>Client's Requirement(Grade)</u>	<u>Comment</u>
>4	>4	Pass

7. Tensile strength

Test Method: ISO 13934-2:2014

<u>Direction</u>	<u>Result (N)</u>	<u>Client's requirement(N)</u>	<u>Comment</u>
Warp	1814.0	>440	Pass
Weft	1344.0	>440	Pass

8. Tearing strength

Test Method: ISO 13937-2:2000

<u>Direction</u>	<u>Result (N)</u>	<u>Client's requirement (N)</u>	<u>Comment</u>
Across to Warp	231.1	>30	Pass
Across to Weft	287.2	>30	Pass

9. Pilling Test

Test Method: ISO 12945-2:2020, 2000r

After 2000 rubs

<u>Test Item</u>	<u>Result (Grade)</u>	<u>Client's requirement</u>	<u>Comment</u>
Pilling	4-5	≥ 3.5	Pass
Fuzzing	4	≥ 3.5	Pass
Matting	4-5	≥ 3.5	Pass

Remark: Pilling Rating:

- 5 No change.
- 4 Slight surface fuzzing and/or partially formed pills./Slight surface matting
- 3 Moderate surface fuzzing and/or moderate pilling. Pills of varying size and density partially covering the specimen surface/ Moderate surface matting
- 2 Distinct surface fuzzing and/or distinct pilling. Pills of varying size and density covering a large proportion of the specimen surface/ Distinct surface matting
- 1 Dense surface fuzzing and/or severe pilling. Pills of varying size and density covering the whole of the specimen surface/Dense surface matting

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Test Results:

10.Seam slippage

Ref: ISO 13936-2:2004

<u>Direction</u>	<u>Seam opening at 180N (mm)</u>	<u>Client's requirement(mm)</u>	<u>Comment</u>
//Warp seam	3.2	≤6	Pass
//Weft seam	2.1	≤6	Pass

Sample Photo



***** End of Test Report *****

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