

TEST REPORT

NUMBER : PAKT23014119
DATE : 17-Nov-2023

APPLICANT : **Sonic Textile Industries**
Plot # D/153-A, Near Valika Hospital
S.I.T.E., Karachi, PAKISTAN
ATTN : **Mr. Faisal, Mr. Sumair**

Overall Rating	
Pass	()
Fail	()
Not Provided	(X)

Sample Description : Four (4) Pieces Of One (1) Type Of Submitted
Knitted Premium Heather SHORT Sleeve Crew Neck
Tee Shirt Top Garment Sample Said To Be 60%
Cotton 40% Polyester, 145 Gm/m² In Navy
Heather Color.
Fiber Content : 60% Cotton 40% Polyester
End Uses : None Given
Color : Navy Heather
Style No : ZS1002
Order No. : None Given
Buyer Name : Zuni
Manufacturer : Sonic Textile Industries Pvt Ltd
Agent : Zuni

Applicant Provided Care Instructions :
Machine Wash Cold With Like Colors. Only Non-Chlorine Bleach When Needed.
Tumble Dry Low. Do Not Iron If Decorated.



Date Received/Date Test Started : 13 Nov 2023
Date Confirmation Received : 14 Nov 2023

TEST CONDUCTED : AS PER THE REQUEST OF THE APPLICANT. FOR FURTHER DETAILS PLEASE REFER TO ENCLOSED PAGE(S)

AUTHORIZED BY
FOR Intertek Pakistan (Pvt.) Ltd.



KHAWAR SHARF
GENERAL MANAGER (SOFTLINES & HARDLINES)

(The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. This Report Shall Not Be Reproduced Wholly Or In Parts Without Written Approval From The Laboratory. Measurement of Uncertainty will be provided for applicable tests on request.)

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TEST CONDUCTED (AS REQUESTED BY THE APPLICANT)

1. Fiber Composition

AATCC 20/20A-2021

Based On Moisture Regain

Cotton (%)	59.0
Polyester (%)	41.0

Remark: Moisture Regain Of Cotton: 8.0% , Polyester: 0.4%

2. Flammability - 16 CFR 1610

16 CFR 1610 - 2008 (Face)

Results Exemption, Refer to Remark.

Remark: ** = Based upon the Weight Per Unit Area the sample is exempt from Flammability Testing in accordance with 16 CFR 1610.1(d).

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3. Appearance After Wash

AATCC 150-2018, Machine Wash At 80°F In 1993 AATCC Standard Reference (OBA) Detergent, Normal Cycle, 1.8-Kg Load, Tumble Dry Low.

After 3rd Wash

Colour Change	4
Colour Staining	
Acetate	4
Cotton	4
Nylon	4.5
Polyester	4.5
Acrylic	4.5
Wool	4.5
Cross Staining	4.5

OBSERVATION :

- . Skew: 0.9%
- . Slight Creases Were Observed.
- . Slight Seam Puckering Was Observed.
- . No Fuzziness And No Pilling Was Observed.
- . No Seam Opening Was Observed.
- . No Seam Breakage Was Observed.
- . No Raveled Seam Was Observed.
- . No Fraying Of Fabric Was Observed.
- . No Shape Distortion Was Observed.
- . No Significant Change Was Observed On Label.

4. Spirality

ASTM TS-008

(After 3rd Wash)

Result 0.9%

REMARK:

Washing Condition: Same As Dimensional Stability To Washing

5. Color Fastness To Light

(AATCC 16.3:2020, Option 3: Water Cooled, Xenon-Arc Lamp, Continuous Light)

After 20 AFU 4.5

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6. Color Fastness To Water

(AATCC 107-2013)

Color Change		4.5
Color Staining	Acetate	4.5
	Cotton	4.5
	Nylon	4.5
	Polyester	4.5
	Acrylic	4.5
	Wool	4.5

7. pH Value

AATCC TM 81 - 1996e2 (2016)e

Result	7.6
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8. Pilling Resistance

(ASTM D3512-2016, Random Tumble

As Received

After 30 Minutes	3
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9. Color Fastness To Crocking

(AATCC 8-2016)

As Received

Dry	4.5
Wet	4

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10. Color Fastness To Perspiration

(AATCC 15-2013)

Colour Change		4.5
Colour Staining	Acetate	4.5
	Cotton	4.5
	Nylon	4.5
	Polyester	4.5
	Acrylic	4.5
	Wool	4.5

11. Color Fastness To Accelerated Laundering

(AATCC 61-2013, Test No. 2A, 45 Minutes Mechanical Wash At 120°F In 0.15% 1993 AATCC Standard Reference Detergent [WOB] Solution With 50 Steel Balls)

Color Change		4
Color Staining	Acetate	4.5
	Cotton	4.5
	Nylon	4.5
	Polyester	4.5
	Acrylic	4.5
	Wool	4.5

12. Dimensional Stability To Washing.

AATCC 150-2018, Machine Wash At 80°F In 1993 AATCC Standard Reference (OBA) Detergent, Normal Cycle, 1.8-Kg Load, Tumble Dry Low

	<u>Original</u> (Inch)	<u>After 3rd</u> <u>Wash (Inch)</u>	<u>Dimensional</u> <u>Change (%)</u>
Neck Opening	8.7	8.5	-2.3
Body Length	27.0	26.1	-3.3
Sleeve Length	7.0	6.8	-2.9
Sleeve Opening	6.8	6.6	-2.9
Chest	20.5	19.0	-2.9
Bottom	20.9	20.3	-2.9
Shoulder	17.1	16.6	-2.9
Arm Hole	9.5	9.2	-3.2

REMARK:

(-) Means Shrinkage, (+) Means Extension And (Neg.) Means Negligible

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13. Fabric Weight

(ASTM D 3776 /3776 2020 Option C)

(g/m ²)	139.0
(oz/yd ²)	4.1

14. Bursting Strength

ASTM D3786/ D 3786 M-18, Option C

Result	72.0
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END OF THE TEST REPORT

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NUMBER :PAKT23014119



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