

Test Report

Number: PAKT24011232
Date: 02-Dec-2024

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

Overall Rating	
Pass	X
Fail	
Not Provided	

Sample Description As Declared : Four (4) Pieces Of One (1) Type Of Submitted Knitted Premium Heather Long Sleeve Crew Neck Tee Top Garment Sample Said To Be 60% Cotton 40% Polyester, 145 Gm/m², In Charcoal Heather Color.

Fiber Content : 60% Cotton 40% Polyester
End Use : Adult
Color : Charcoal Heather
Style No. : ZS1006
Order No/PO No. : 2025
Buyer Name : Zuni
Manufacturer : Sonic Textile Industries (Pvt) Ltd.
Agent : Zuni Sportswear Inc.
Ref : Brand: Zuni
Finish/Dye Type: Reactive
Exporting Market: U.S.A
Product Type: Top

Date Received/Date Test Started : 20-Nov-2024
Date Confirmation Received : -
Applicant Provided Care : Machine Wash Cold With Like Colors, Only Non-Chlorine
Instructions : Bleach When Needed, Tumble Dry Low, Do Not Iron If Decorated.

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
(Softline's & Hardline's)



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Conclusion:

Fiber Content	M1
Dimensional Stability to Washing	M
Appearance After Wash	M
Spirality	M
Fabric Weight	M2
Bursting Strength	M
Pilling Resistance	M
Color Fastness to Accelerated Laundering	M
Color Fastness to Light	M
Color Fastness to Water	M
Color Fastness to Crocking	M
Color Fastness to Perspiration	M
pH Value	M
Wearing Apparel Flammability	**

Note : M = Meets Buyer's Requirement, F = Below Buyer's Requirement

* = Requirement Not Provided, NA = Not Applicable # = No Comment

M1= Meet Commercial's Requirement

F1= Below Commercial's Requirement

** = The Sample Is Exempt From Flammability Testing In Accordance with 16 CFR 1610.1 (d).

NOTE:

M1 = The Sample Conforms To The Declared Fiber Content.

M2 = The Sample Conform Within $\pm 5\%$ Tolerance to The Declared Fabric Weight.

Specification Sheet Was Provided By The Applicant.



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1. Fiber Content

AATCC 20/20A-2021

Based On Moisture Regain Weight:

		<u>Requirement</u>
Cotton (%)	59.9	60% Cotton
Polyester (%)	40.1	40% Polyester

REMARK:

Moisture Regain Of Cotton: 8.0% Polyester: 0.4%

2. Dimensional Stability to Washing

AATCC TM150-2018t , Machine Wash At 80°F In 1993 AATCC Standard Reference Detergent, Normal Cycle, 1.8-Kg Load, Tumble Dry Low)

	<u>Original (Inch)</u>	<u>After 3rd Wash (Inch)</u>	<u>Dimensional Change (%)</u>	<u>Requirement</u>
Neck Opening	8.2	8.0	-2.5	±5%
Body Length	28.4	27.5	-3.2	
Sleeve Length	24.7	23.9	-3.2	
Sleeve Opening	4.1	4.0	-2.4	
Chest	21.8	21.3	-2.3	
Bottom	21.7	21.2	-2.3	
Shoulder	16.4	16.0	-2.4	
Arm Hole	9.5	9.2	-3.2	

REMARK:

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



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3. Appearance After Wash

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

After 3rd Wash

Requirement

Colour Change	W. Sup: 4 W/o Sup: 4	Satisfactory
Cross Staining	4.5	

OBSERVATION:

Skew: 0.8%
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 Ravelled Seam Was Observed
No Fraying of Fabric Was Observed
No Shape Distortion Was Observed
No Significant Change Was Observed On Label
The Overall Appearance Of The Washed Sample Was Found To Be Satisfactory.

Remark:
W. Sup = With Suppressor
W/o Sup = Without Suppressor

4. Spirality

ASTM TS-008

After 3rd Wash

Result	0.8%	<u>Requirement</u> 4% Max
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REMARK: Washing Condition: Same as Dimensional Stability To Washing

5. Fabric Weight

(ASTM D3776-2020-Option C)

(g/m ²)	142.0	<u>Requirement</u> 145 ±5%
(oz/yd ²)	4.2	-



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6. Bursting Strength

ASTM D3786/D3786M – 18 (2023)

		<u>Requirement</u>
Result	64.0 Psi	30 Psi

7. Pilling Resistance

(ASTM D3512-2016, Random Tumble)

As Received

		<u>Requirement</u>
After 30 Minutes	3.5	3.5

8. 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)

		<u>Requirement</u>
Colour Change	4	4
Colour Staining	Acetate 4.5	3.5
	Cotton 4.5	
	Nylon 4.5	
	Polyester 4.5	
	Acrylic 4.5	
	Wool 4.5	

9. Color Fastness to Light

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

		<u>Requirement</u>
After 20 AFU	4.5	3.5



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10. Color Fastness to Water

AATCC 107 -2013

			<u>Requirement</u>
Colour Change		4.5	4
Colour Staining	Acetate	4	3.5
	Cotton	3.5	
	Nylon	4	
	Polyester	4.5	
	Acrylic	4.5	
	Wool	4	

11. Color Fastness to Rubbing

(AATCC 8-2016)

			<u>Requirement</u>
<u>As Received</u>			
Dry		4.5	4
Wet		3.5	3

12. Color Fastness to Perspiration

AATCC 15 -2013

			<u>Requirement</u>
Colour Change		4.5	4
Colour Staining	Acetate	4.5	3.5
	Cotton	4	
	Nylon	4.5	
	Polyester	4.5	
	Acrylic	4.5	
	Wool	4.5	

13. pH Value

AATCC TM 81 - 1996e2 (2016)e

		<u>Requirement</u>
Result	7.5	5.0-8.5

END OF THE TEST REPORT

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