



Report No: 24495-17  
Date in: 08/12/17  
Date out: 11/12/17

**Applicant:** Milestone Textiles  
**Address:** B-17, Suite # 1, Estate Avenue, S.I.T.E. Karachi.  
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**Attn:** Mr.Amir Nazar  
**CC:**  
**Submitted By:**

**Manufacturer:** Milestone Textiles  
**Buyer:** Milltex  
**Label:** Milltex  
**Buying Agent:** Milestone Textiles  
**Dye stuff:** Reactive  
**Fabric:** Fleece  
**Labeled fiber contents:** 70% Cotton 30% Polyester  
**Contracted fabric weight:** 275 GSM  
**Color/Design:** Navy  
**Style name:** Design:Men`s Pant  
**Style NO:** 715  
**PO NO:**  
**Department:**  
**Test NO:**  
**Protocol NO:**  
**Prev. Report NO:**  
**Vendor Reference NO:**  
**Sample Description:** Men`s Pant  
**End Use:**  
**Vendor proposed Care instruction:**

**Country of origin:** Pakistan  
**Destination:**  
**Program:** Non-Wash  
**Size:**  
**Season:**

**Ali Ashraf**  
Manager Technical



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**Test Conducted:**

1. **Dimensional change of garment after home laundering** (AATCC 150 - 2012, 3 wash cycles)  
 Machine wash warm ( 41±3°C ) at normal cycle, water level 18±1 gallon, washing load 1.8 kg.  
 Tumble dry low.

	<u>BEFORE WASH(cm)</u>	<u>AFTER WASH(cm)</u>	<u>SHRINKAGE %</u>
Inseam Length	74.0	73.2	-1.08
Out Seam Length	109.0	105.4	-3.30
Front Rise	35.0	33.8	-3.43
Back Rise	39.6	38.8	-2.02
Waist	76.0	72.4	-4.74
Seat	114.4	114.0	-0.35
Thigh	60.4	59.6	-1.32

Note: Minus sign (-) for Shrinkage & plus sign (+) for Growth.

2. **Mass per unit area (weight)** (ASTMD 3776-2013)  
 G/SQ. M 295.00

3. **Garment twist resulting from automatic home laundering** (AATCC 179 - 2012)  
 Twisting 0.00

4. **Appearance after Wash of Garment** (AATCC 150 - 2012)

Color Change 4.5  
 Appearance  
 No fuzz formation  
 No puckering  
 No seam open  
 No stitch broken  
 Slight pilling observed (Class 4.5)  
 Draw cord, main label & care label stability satisfactory



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(ASTMD 3887)

Wales per inch 29  
Courses per inch 23**6. Formaldehyde(Qualitative analysis)**

(AATCC 94: 2007)

Formaldehyde Spot Test Negative

**7. Color fastness to non-chlorine bleach**

(AATCC IS-001)

	<u>Spot</u>	<u>Soaking</u>
Color Change	4.5	4.5

**8. Colorfastness to Light - 20 hours Exposure**

(AATCC 16.3 - 2012)

Xenon Arc Lamp

Color change 4.0

**9. Colorfastness to crocking**

(AATCC 8 - 2013)

Wet (Color Stain) 2.5  
Dry (Color Stain) 4.5



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**Test Conducted:**

**10. Colorfastness to Laundering, Home (AATCC 150-2012)**  
(Color change after 3Home Launderings & Staining after 1Home Laundering)

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

**11. Colorfastness to perspiration (AATCC 15 - 2013)**

Color Change	4.5
Staining On:	
Acetate	4.5
Cotton	4.5
Nylon 6.6	3.5
Polyester	4.5
Acrylic	4.5
Wool	4.0

Evaluated with AATCC gray scale for color change and staining.

**Color fastness rating**

- 5-0 Negligible or no change or staining
- 4-0 Slightly changed or stained
- 3-0 Noticeably changed or stained
- 2-0 Considerably changed or stained
- 1-0 Much changed or stained





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### Test Conducted:

#### 12. Flammability of Apparel & Clothing Textile

(16 CFR 1610, Original & after Drycleaning/washing)

Sample description: Mens Pant  
Direction to be tested: Raised side

	<u>Time of flame spread (s)</u>	<u>Original Burning Code</u>	<u>Time of flame spread (s)</u>	<u>Dryclean/wash Burning Code</u>
Specimen 1	28.2	SFBBpoi	31.5	SFBBpoi
Specimen 2	30.5	SFBBpoi	30.4	SFBBpoi
Specimen 3	30.4	SFBBpoi	30.2	SFBBpoi
Specimen 4	29.7	SFBBpoi	33.6	SFBBpoi
Specimen 5	29.0	SFBBpoi	32.8	SFBBpoi
Average	29.5	SFBBpoi	31.7	SFBBpoi
Classification:	Class 1			



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DNI Did not ignite (no time) IBE Ignite, but extinguished (no time)  
---Sec. Actual burn time measured and recorded by the timing in 0.0 seconds

SF uc Surface flash, under stop thread, but does not break thread (no time)

SF pw Surface flash, part way; does not break thread (no time)

SF poi Surface flash, at the point of impingement only (no time)

---Sec. Actual burn time measured and recorded by the timing device in 0.0 seconds.

SF Time (sec.), surface flash only, no damage to the base fabric

SFBB Time (sec.), Surface flash base burn starting at places other than the point of impingement as a result of surface flash

SFBBpoi Time (sec.), surface flash base burn starting at the point of impingement

Classification: Plain Surface Raised Fiber Surface

Class 1 Average burn time >3.5s Average burn time > 7.0s OR

Class 2 N/A Average burn time 0-7s with no base burn(SF)

Class 3 Average burn time >3.5s Average burn time <4-0s with base burn(SFBB)



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**Digital Image of Sample**

