



Report No: 24514-17  
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:** 52% Cotton 48% Polyester  
**Contracted fabric weight:** 300 GSM  
**Color/Design:** Navy Heather  
**Style name:** Design: Youth Pullover Hood  
**Style NO:** 567  
**PO NO:**  
**Department:**  
**Test NO:**  
**Protocol NO:**  
**Prev. Report NO:**  
**Vendor Reference NO:**  
**Sample Description:** Youth Pullover Hood  
**End Use:**  
**Vendor proposed Care instruction:**

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

**Ali Ashraf**  
Manager Technical

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Tumble dry low.

	<u>BEFORE WASH(cm)</u>	<u>AFTER WASH(cm)</u>	<u>SHRINKAGE %</u>
Front Body Length	63.4	60.4	-4.73
Back Body Length	61.8	59.2	-4.21
Across Shoulder	45.0	43.5	-3.33
Chest	100.8	100.8	0.00
Bottom	86.0	83.0	-3.49
C B Sleeve Length	73.0	71.0	-2.74

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

**2. Mass per unit area (weight) (ASTMD 3776-2013)**

G / SQ. M 288.0

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

Twisting 3.83 %

**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.  
No pilling (Class 5.0)  
Neck tape, main label & care label stability satisfactory.

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(ASTMD 3887)

Wales per inch 31  
Courses per inch 33**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 4.5

**9. Colorfastness to crocking**

(AATCC 8 - 2013)

Wet (Color Stain) 3.0  
Dry (Color Stain) 4.5



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**Test Conducted:**

**10. Colorfastness to Laundering, Home**

(AATCC 150-2012)

(Color change after 3 washes, staining after 1 wash)

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	4.5
Polyester	4.5
Acrylic	4.5
Wool	4.5



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### Test Conducted:

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

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

Sample description: Youth Pullover Hood  
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	40.5	SFBBpoi	/	SF poi
Specimen 2	42.4	SFBBpoi	/	SF poi
Specimen 3	38.3	SFBBpoi	/	SF poi
Specimen 4	40.7	SFBBpoi	/	SF poi
Specimen 5	39.0	SFBBpoi	/	SF poi
Average	40.1	SFBBpoi	/	SF poi
Classification:	Class 1			



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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

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)

**Digital Image of Sample**



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