

# VARTEST LABORATORIES INC

Specializing in Fiber, Yarn, Fabric & Apparel Testing

Textile Testing Services Division

19 West 36th Street  
 New York, N.Y. 10018  
 Phone: (212) 947-8391  
 (212) 947-8392  
 Fax: (212) 947-8719

## REPORT OF TEST

DATE: May 23, 2002

FILE: TURNIN.A051702A

CLIENT: Turning Star, Inc.  
 626A Third Street  
 Brooklyn, NY 11215

ATTN: Mr. Thomas Andrews

SAMPLE IDENTIFIED BY CLIENT AS:

Fabric Submitted  
100% Polyester  
Color Beige

TEST PROCEDURE:

TEST RESULTS:

NATIONAL FIRE PROTECTION ASSOCIATION 701 TEST 1 "PHONE BOOTH"

\*\*\*\*\*

	AFTER-FLAME	DRIP BURN	WEIGHT LOSS
	*****	*****	*****
LENGTH:	0.0 Seconds	0.0 Seconds	27.09%
LENGTH:	0.0 Seconds	0.0 Seconds	23.54%
LENGTH:	0.0 Seconds	0.0 Seconds	23.25%
LENGTH:	0.0 Seconds	0.0 Seconds	11.99%
LENGTH:	0.0 Seconds	0.0 Seconds	27.34%
LENGTH:	0.0 Seconds	0.0 Seconds	25.16%
LENGTH:	0.0 Seconds	0.0 Seconds	23.56%
LENGTH:	0.0 Seconds	0.0 Seconds	30.35%
LENGTH:	0.0 Seconds	0.0 Seconds	23.72%
LENGTH:	0.0 Seconds	0.0 Seconds	13.13%
	*****	*****	*****
	0.0 Seconds	0.0 Seconds	24.00%
	*****	*****	*****

STD<sub>(%L)</sub> = 4.80  
 STD<sub>(%L x 2)</sub> = 14.41  
 Mean + STD<sub>(%Lx2)</sub> = 38.41

TEST RESULT: PASS

6-1 CALCULATION OF PERCENT WEIGHT LOSS:

6-1.1 The percent weight loss of each specimen shall be determined by the following equation:

$$\frac{(\text{Weight before test} - \text{Weight after test})}{(\text{Weight before test})} \times 100 = \text{Percent weight loss}$$

The percent weight loss shall be recorded.

6-1.2 The mean percent weight loss and the standard deviation for the sample consisting of 10 specimens shall be calculated.

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SAMPLE IDENTIFIED BY CLIENT AS:  
Fabric Submitted  
100% Polyester  
Color Beige

**6-1 CALCULATION OF PERCENT WEIGHT LOSS:**

6-1.3 Where the percent weight loss of any individual specimen exceeds the mean value plus three standard deviations, the test shall be repeated on another sample of 10 specimens. The mean percent weight loss and standard deviation for the second set of 10 specimens shall be calculated.

**7-1 PERFORMANCE CRITERIA.**

7-1.1 Where fragments or residues of specimens that fall to the floor of the test chamber continue to burn for more than an average of 2 seconds per specimen for the sample of 10 specimens, the material shall be recorded as failing test 1.

7-1.2 Where the average weight loss of the 10 specimens in a sample is greater than 40 percent, the material shall be recorded as failing the test.

7-1.3 Where the percent weight loss of any individual specimen in the second set of specimens exceeds the mean value of the second set plus three standard deviations calculated for the second set, the material shall be recorded as failing this test.

7-1.4 Where the specimens do not demonstrate performance in accordance with any of the conditions indicated in 7-1.1 through 7-1.3, the material shall be recorded as passing this test and shall be designated as flame resistant.

Signed For The Company By

*Adam R. Varley*  
Adam R. Varley  
Technical Director *J/EA*

RT/05/248



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## REPORT OF TEST

DATE: November 22, 1999  
CLIENT: Turning Star, Inc.  
626A Third Street  
Brooklyn, NY 11215

FILE: TURNIN.A111699C  
ATTN: Mr. Thomas Andrews

SAMPLE IDENTIFIED BY CLIENT AS:

Fabric Submitted  
Treated W/Flame Retardant  
Polyester Chiffon  
Color White

TEST PROCEDURE:

TEST RESULTS:

NATIONAL FIRE PROTECTION ASSOCIATION 701 TEST 1 "DROPP BOOTHS"  
\*\*\*\*\*

	<u>AFTER-FLAME</u> *****	<u>DRIP BURN</u> *****	<u>WEIGHT LOSS</u> *****	
LENGTH:	0.0 Seconds	0.0 Seconds	38.45%	
LENGTH:	0.0 Seconds	0.0 Seconds	33.46%	
LENGTH:	0.0 Seconds	0.0 Seconds	39.81%	
LENGTH:	0.0 Seconds	0.0 Seconds	40.33%	
LENGTH:	0.0 Seconds	0.0 Seconds	45.43%	
LENGTH:	0.0 Seconds	0.0 Seconds	46.38%	STD <sub>(WL)</sub> = 3.84
LENGTH:	0.0 Seconds	0.0 Seconds	37.85%	STD <sub>(WL x 3)</sub> = 11.52
LENGTH:	0.0 Seconds	0.0 Seconds	41.47%	Mean + STD <sub>(WLx3)</sub> = 52.15
LENGTH:	0.0 Seconds	0.0 Seconds	38.11%	
LENGTH:	0.0 Seconds	0.0 Seconds	45.03%	
	*****	*****	*****	
	0.0 Seconds	0.0 Seconds	40.63%	
	*****	*****	*****	

TEST RESULT: FAIL

6-1 CALCULATION OF PERCENT WEIGHT LOSS:

6-1.1 The percent weight loss of each specimen shall be determined by the following equation:

$$\frac{(\text{Weight before test} - \text{Weight after test})}{(\text{Weight before test})} \times 100 = \text{Percent weight loss}$$

The percent weight loss shall be recorded.

6-1.2 The mean percent weight loss and the standard deviation for the sample consisting of 10 specimens shall be calculated.

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Fax: (212) 947-8719**REPORT OF TEST**FILE: TURNIN.A111699C  
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Treated w/Flame Retardant  
Polyester Chiffon  
Color: White**6-1 CALCULATION OF PERCENT WEIGHT LOSS:**

6-1.3 Where the percent weight loss of any individual specimen exceeds the mean value plus three standard deviations, the test shall be repeated on another sample of 10 specimens. The mean percent weight loss and standard deviation for the second set of 10 specimens shall be calculated.

**7-1 PERFORMANCE CRITERIA.**

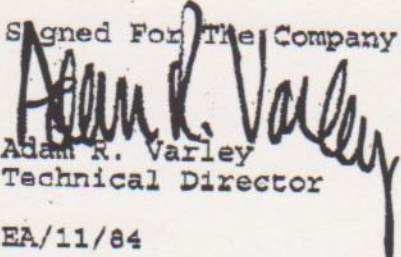
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Signed For The Company By

  
Adam R. Varley  
Technical Director

EA/11/84

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