

DIVERSIFIED
TESTING LABORATORIES, INC.
WORLDWIDE SERVICE

“We Test Per Your Request”

336 WEST FRONT STREET
P.O. BOX 4004
BURLINGTON, NORTH CAROLINA 27215
PHONE (336) 227-7710 • FAX (336) 227-1175
www.diversifiedtestinglabs.com

December 11, 2020

Mr. Jeremy Carter
WELDAS CO.
128 Seaboard Lane
Franklin, TN 37067

Reference: Laboratory Test Report
Lab Identification No. 43442
Invoice No. 74918

Dear Mr. Carter:

One (1) fabric sample, identified as **WeldasR Arc KnightR 16 oz. FR Cotton**, was received and tested in accordance with ASTM D 6413-15, “Standard Test Method for Flame Resistance of Textiles (Vertical Test)”, as outlined in ASTM F 1506-19, “Standard Performance Specification for Flame Resistant and Arc Rated Protective Clothing Worn by Workers Exposed to Flames and Electric Arcs”, Section 7.6. ***Per your request, the sample was tested after twenty-five (25) laundering cycles at 120°, (tumble dried).*** The results are as follows:

TEST RESULTS

<u>Specimen Number</u>	<u>After Flame (seconds)</u>		<u>Drippings (seconds)</u>		<u>Char Length (inches)</u>	
	<u>Length</u>	<u>Width</u>	<u>Length</u>	<u>Width</u>	<u>Length</u>	<u>Width</u>
1	0.0	0.0	0.0	0.0	2.0	1.0
2	0.0	0.0	0.0	0.0	1.6	1.5
3	0.0	0.0	0.0	0.0	1.5	1.2
4	0.0	0.0	0.0	0.0	2.0	1.2
5	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>1.3</u>	<u>1.5</u>
Avg	0.0	0.0	0.0	0.0	1.7	1.3

The fabric sample submitted **meets** the minimum requirements of the ASTM F 1506-19 standard. The maximum average char length may not exceed 6.0 inches, the maximum after flame may not exceed 2.0 seconds and no specimen shall melt or drip when tested.

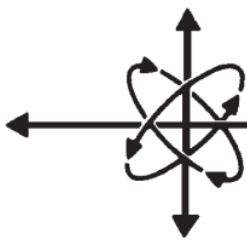
If there are any questions or when we can be of further assistance, please let us know

Sincerely,

Brian S. Dement

BSD/mr





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TEST RESULTS

<u>Specimen Number</u>	<u>After Flame (seconds)</u>		<u>Drippings (seconds)</u>		<u>Char Length (inches)</u>	
	<u>Length</u>	<u>Width</u>	<u>Length</u>	<u>Width</u>	<u>Length</u>	<u>Width</u>
1	14.7	0.0	0.0	0.0	4.4	1.5
2	0.0	0.0	0.0	0.0	1.6	1.4
3	0.0	0.0	0.0	0.0	1.7	1.4
4	0.0	0.0	0.0	0.0	1.5	1.2
5	<u>12.8</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>3.9</u>	<u>1.6</u>
Avg	5.5	0.0	0.0	0.0	2.6	1.4

The fabric sample submitted **does not meet** the minimum requirements of the ASTM F 1506-19 standard. The maximum average char length may not exceed 6.0 inches, the maximum after flame may not exceed 2.0 seconds and no specimen shall melt or drip when tested.

If there are any questions or when we can be of further assistance, please let us know

Sincerely,

Brian S. Dement

BSD/mr

