



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

March 29, 2019

Mr. Nathan Wintermute
MERMET
5970 N. Main Street
Cowpens, SC 29330

Reference: Laboratory Test Report
Lab Identification No. 35163
Invoice No. 66375

Dear Mr. Wintermute:

One (1) sample, identified as **E SCREEN™ 1%**, was received and tested in accordance with the National Fire Protection Association No. 701, "Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, 2019 Edition, (Test 1)". The results are as follows:

<u>Specimen Number</u>	<u>Test Results</u> <u>Residual Flame</u> (seconds)	<u>Weight Loss</u> (percent)
1	0.0	1.56
2	0.0	2.21
3	0.0	2.25
4	0.0	1.32
5	0.0	1.45
6	0.0	0.73
7	0.0	2.57
8	0.0	2.15
9	0.0	0.75
<u>10</u>	<u>0.0</u>	<u>1.53</u>
AVG	0.0	1.65

The fabric sample submitted **meets** the minimum requirements of the above standard. The average percent weight loss cannot exceed 40% and the weight loss of individual specimens cannot exceed mean value plus three standard deviations. The average residual flame cannot exceed 2.0 seconds.

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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Cowpens, SC 29330

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Dear Mr. Wintermute:

One (1) sample, identified as **E SCREEN™ 3%**, was received and tested in accordance with the National Fire Protection Association No. 701, "Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, 2019 Edition, (Test 1)". The results are as follows:

<u>Specimen Number</u>	<u>Test Results</u> <u>Residual Flame</u> (seconds)	<u>Weight Loss</u> (percent)
1	0.0	0.58
2	0.0	2.10
3	0.0	0.57
4	0.0	1.13
5	0.0	0.98
6	0.0	1.86
7	0.0	0.57
8	0.0	1.16
9	0.0	0.48
<u>10</u>	<u>0.0</u>	<u>2.15</u>
AVG	0.0	1.16

The fabric sample submitted **meets** the minimum requirements of the above standard. The average percent weight loss cannot exceed 40% and the weight loss of individual specimens cannot exceed mean value plus three standard deviations. The average residual flame cannot exceed 2.0 seconds.

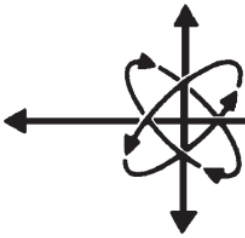
If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

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MERMET
5970 N. Main Street
Cowpens, SC 29330

Reference: Laboratory Test Report
Lab Identification No. 35163
Invoice No. 66375

Dear Mr. Wintermute:

One (1) sample, identified as **E SCREEN™ 5%**, was received and tested in accordance with the National Fire Protection Association No. 701, "Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, 2019 Edition, (Test 1)". The results are as follows:

<u>Specimen Number</u>	<u>Test Results</u> <u>Residual Flame</u> (seconds)	<u>Weight Loss</u> (percent)
1	0.0	1.02
2	0.0	2.39
3	0.0	0.30
4	0.0	2.07
5	0.0	2.48
6	0.0	0.46
7	0.0	2.15
8	0.0	0.76
9	0.0	2.45
<u>10</u>	<u>0.0</u>	<u>0.47</u>
AVG	0.0	1.46

The fabric sample submitted **meets** the minimum requirements of the above standard. The average percent weight loss cannot exceed 40% and the weight loss of individual specimens cannot exceed mean value plus three standard deviations. The average residual flame cannot exceed 2.0 seconds.

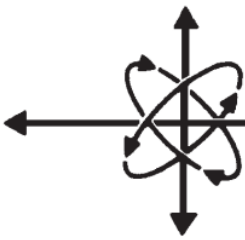
If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

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Cowpens, SC 29330

Reference: Laboratory Test Report
Lab Identification No. 35163
Invoice No. 66375

Dear Mr. Wintermute:

One (1) sample, identified as **E SCREEN™ 10%**, was received and tested in accordance with the National Fire Protection Association No. 701, "Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, 2019 Edition, (Test 1)". The results are as follows:

<u>Specimen Number</u>	<u>Test Results</u> <u>Residual Flame</u> (seconds)	<u>Weight Loss</u> (percent)
1	0.0	3.04
2	0.0	5.88
3	0.0	4.32
4	0.0	1.29
5	0.0	1.67
6	0.0	1.65
7	0.0	2.59
8	0.0	1.54
9	0.0	2.49
<u>10</u>	<u>0.0</u>	<u>1.25</u>
AVG	0.0	2.57

The fabric sample submitted **meets** the minimum requirements of the above standard. The average percent weight loss cannot exceed 40% and the weight loss of individual specimens cannot exceed mean value plus three standard deviations. The average residual flame cannot exceed 2.0 seconds.

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

Sincerely,

Brian S. Dement

BSD/mr

