



**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

January 27, 2023

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

Reference: Laboratory Test Report  
Lab Identification No. 53565  
Invoice No. 84866

Dear Mr. Wintermute:

One (1) sample, identified as **E Screen 0.5%**, 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>Test Results</u>    |                                    |                                 |
|------------------------|------------------------------------|---------------------------------|
| <u>Specimen Number</u> | <u>Residual Flame</u><br>(seconds) | <u>Weight Loss</u><br>(percent) |
| 1                      | 0.0                                | 5.82                            |
| 2                      | 0.0                                | 7.57                            |
| 3                      | 0.0                                | 5.89                            |
| 4                      | 0.0                                | 5.47                            |
| 5                      | 0.0                                | 4.49                            |
| 6                      | 0.0                                | 6.70                            |
| 7                      | 0.0                                | 4.69                            |
| 8                      | 0.0                                | 5.98                            |
| 9                      | 0.0                                | 5.03                            |
| <u>10</u>              | <u>0.0</u>                         | <u>7.23</u>                     |
| <b>AVG</b>             | <b>0.0</b>                         | <b>5.89</b>                     |

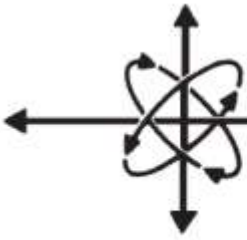
The sample submitted **meets** the minimum requirements of the above standard. The average percent weight loss cannot exceed 40% and the weight loss of individual specimens cannot exceed mean value plus three standard deviations. The average residual flame cannot exceed 2.0 seconds.

Sincerely,

Brian S. Dement

BSD/mr





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March 30, 2022

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

Reference: Laboratory Test Report  
Lab Identification No. 49680  
Invoice No. 80959

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>Test Results</u>    |                                    |                                 |
|------------------------|------------------------------------|---------------------------------|
| <u>Specimen Number</u> | <u>Residual Flame</u><br>(seconds) | <u>Weight Loss</u><br>(percent) |
| 1                      | 0.0                                | 7.60                            |
| 2                      | 0.0                                | 6.94                            |
| 3                      | 0.0                                | 8.52                            |
| 4                      | 0.0                                | 6.63                            |
| 5                      | 0.0                                | 7.06                            |
| 6                      | 0.0                                | 6.48                            |
| 7                      | 0.0                                | 8.55                            |
| 8                      | 0.0                                | 7.91                            |
| 9                      | 0.0                                | 7.37                            |
| <u>10</u>              | <u>0.0</u>                         | <u>8.85</u>                     |
| <b>AVG</b>             | <b>0.0</b>                         | <b>7.59</b>                     |

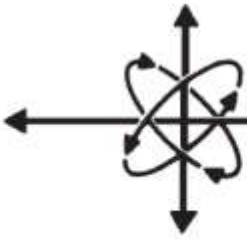
The sample submitted **meets** the minimum requirements of the above standard. The average percent weight loss cannot exceed 40% and the weight loss of individual specimens cannot exceed mean value plus three standard deviations. The average residual flame cannot exceed 2.0 seconds.

Sincerely,

Brian S. Dement

BSD/mr





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March 30, 2022

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

Reference: Laboratory Test Report  
Lab Identification No. 49680  
Invoice No. 80959

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>Test Results</u>    |                                    |                                 |
|------------------------|------------------------------------|---------------------------------|
| <u>Specimen Number</u> | <u>Residual Flame</u><br>(seconds) | <u>Weight Loss</u><br>(percent) |
| 1                      | 0.0                                | 7.65                            |
| 2                      | 0.0                                | 7.57                            |
| 3                      | 0.0                                | 6.85                            |
| 4                      | 0.0                                | 7.13                            |
| 5                      | 0.0                                | 7.62                            |
| 6                      | 0.0                                | 6.39                            |
| 7                      | 0.0                                | 8.13                            |
| 8                      | 0.0                                | 9.63                            |
| 9                      | 0.0                                | 7.61                            |
| <u>10</u>              | <u>0.0</u>                         | <u>7.62</u>                     |
| <b>AVG</b>             | <b>0.0</b>                         | <b>7.62</b>                     |

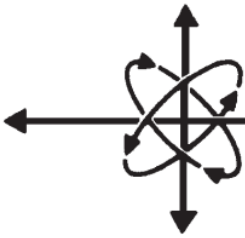
The sample submitted **meets** the minimum requirements of the above standard. The average percent weight loss cannot exceed 40% and the weight loss of individual specimens cannot exceed mean value plus three standard deviations. The average residual flame cannot exceed 2.0 seconds.

Sincerely,

Brian S. Dement

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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™ 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><br><u>Residual Flame</u><br>(seconds) | <u>Weight Loss</u><br>(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.

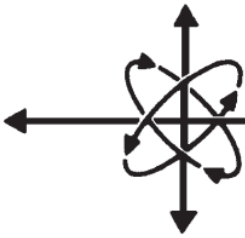
If there are any questions or when we can be of further assistance, please let us know.

Sincerely,

Brian S. Dement

BSD/mr





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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™ 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><br><u>Residual Flame</u><br>(seconds) | <u>Weight Loss</u><br>(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

