DIVERSIFIED
TESTING LABORATORIES, INC.
WORLDWIDE SERVICE

"We Test Per Your Request"

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September 3, 2020

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

Reference: Laboratory Test Report
Lab Identification No. 42526
Invoice No. 73781

Dear Mr. Wintermute:

One (1) sample, identified as **NATTÉ™ 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:

**Test Results**

| Specimen Number | Residual Flame (seconds) | Weight Loss (percent) |
|---|---|---|
| 1 | 0.0 | 7.61 |
| 2 | 0.0 | 6.76 |
| 3 | 0.0 | 7.37 |
| 4 | 0.0 | 5.47 |
| 5 | 0.0 | 7.02 |
| 6 | 0.0 | 6.84 |
| 7 | 0.0 | 7.65 |
| 8 | 0.0 | 6.70 |
| 9 | 0.0 | 7.05 |
| 10 | 0.0 | 6.26 |
| AVG | 0.0 | 6.87 |

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

DIVERSIFIED TESTING LABORATORIES, INC. ★ SEAL 1975 NORTH CAROLINA

applied lab

ACCREDITED
CERT #3193.01

Date of Issue: 4/1/2025
Report Number: 25-000853
Revision Number:1
Date Order Received: 03/26/2025

For the Account of: Mermet
5970 N Main St Cowpens SC 29330

Client's Identification: NATTE 5%

# **CERTIFICATE** OF TESTING

**TEST PERFORMED:** NFPA 701 Standard Methods of Fire Test for Flame Propagation of Textiles and Films 2023 – Test #1

**TEST RESULTS**

| Specimen | Mass Initial (g) | Mass Final (g) | Mass Loss (%) | Drip Burn (s) | Afterflame (s) |
|---|---|---|---|---|---|
| **1** | 31.2 | 27.5 | 12 | 0.0 | 0.0 |
| **2** | 31.1 | 26.7 | 14 | 0.0 | 0.0 |
| **3** | 30.9 | 24.3 | 21 | 0.0 | 0.0 |
| **4** | 30.9 | 26.7 | 14 | 0.0 | 0.0 |
| **5** | 31.0 | 27.3 | 12 | 0.0 | 0.0 |
| **6** | 31.6 | 25.4 | 20 | 0.0 | 0.0 |
| **7** | 31.2 | 26.7 | 14 | 0.0 | 0.0 |
| **8** | 31.1 | 25.8 | 17 | 0.0 | 0.0 |
| **9** | 31.3 | 26.5 | 15 | 0.0 | 0.0 |
| **10** | 31.6 | 27.0 | 15 | 0.0 | 0.0 |
| **Average** | 31.2 | 26.4 | 15 | 0.0 | 0.0 |

**NOTES**

**Approximate weight (oz./sq. yd):** 15.4 **Standard Deviation:** 3.1 **Mean + 3 SD:** 24.3

**Product Configuration:** ☒ Single Layer ☐ Multi Layer
**Material Tested:** Initially
**Test Environment:** 70 ±4°F, 50 ±5% Relative Humidity
**Conditioning:** ☐ Oven at 220°F (30 minutes) ☒ 70 ±4°F & 65 ±5%RH for 24 hours
**Sampling:** As Received
**Intended End-use:** Drapery

**ACCEPTANCE CRITERIA**

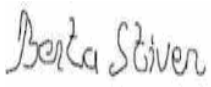
*Afterflame is required to be recorded; however, it is not factored into the Acceptance Criteria*

1. Drip burn (Flaming Drip) shall not exceed an average of 2 seconds per specimen for the sample of 10 specimens
2. Mass Loss shall not exceed 40% for the average of 10 specimens
3. Individual specimen mass loss shall not exceeds mean + 3 SD

**CONCLUSION** Based on the above Results and Acceptance Criteria, the item tested:

☒ Complies
☐ Does Not Comply
☐ Testing of 10 additional specimens is required

**CERTIFICATION** I certify that the above results were obtained after testing specimen in accordance with the procedures and equipment specified by the standard stated above.



Authorized Signature

Date Order Completed: 03/31/2025

applied lab

ACCREDITED
CERT #3193.01

Date of Issue: 4/1/2025
Report Number: 25-000854
Revision Number:1
Date Order Received: 03/26/2025

For the Account of: Mermet
5970 N Main St Cowpens SC 29330

Client's Identification: NATTE 10%

# **CERTIFICATE** OF TESTING

**TEST PERFORMED:** NFPA 701 Standard Methods of Fire Test for Flame Propagation of Textiles and Films 2023 – Test #1

**TEST RESULTS**

| Specimen | Mass Initial (g) | Mass Final (g) | Mass Loss (%) | Drip Burn (s) | Afterflame (s) |
|---|---|---|---|---|---|
| **1** | 29.5 | 24.5 | 17 | 0.0 | 0.0 |
| **2** | 29.2 | 25.1 | 14 | 0.0 | 0.0 |
| **3** | 29.2 | 26.0 | 11 | 0.0 | 0.0 |
| **4** | 29.3 | 24.8 | 15 | 0.0 | 0.0 |
| **5** | 29.3 | 24.3 | 17 | 0.0 | 0.0 |
| **6** | 29.9 | 25.7 | 14 | 0.0 | 0.0 |
| **7** | 29.7 | 25.3 | 15 | 0.0 | 0.0 |
| **8** | 29.4 | 24.8 | 16 | 0.0 | 0.0 |
| **9** | 29.6 | 23.9 | 19 | 0.0 | 0.0 |
| **10** | 29.8 | 24.1 | 19 | 0.0 | 0.0 |
| **Average** | 29.5 | 24.9 | 16 | 0.0 | 0.0 |

**NOTES**

**Approximate weight (oz./sq. yd):** 14.5 **Standard Deviation:** 2.5 **Mean + 3 SD:** 23.5

**Product Configuration:** ☒ Single Layer ☐ Multi Layer
**Material Tested:** Initially
**Test Environment:** 70 ±4°F, 50 ±5% Relative Humidity
**Conditioning:** ☐ Oven at 220°F (30 minutes) ☒ 70 ±4°F & 65 ±5%RH for 24 hours
**Sampling:** As Received
**Intended End-use:** Drapery

**ACCEPTANCE CRITERIA**

*Afterflame is required to be recorded; however, it is not factored into the Acceptance Criteria*

1. Drip burn (Flaming Drip) shall not exceed an average of 2 seconds per specimen for the sample of 10 specimens
2. Mass Loss shall not exceed 40% for the average of 10 specimens
3. Individual specimen mass loss shall not exceeds mean + 3 SD

**CONCLUSION** Based on the above Results and Acceptance Criteria, the item tested:

☒ Complies
☐ Does Not Comply
☐ Testing of 10 additional specimens is required

**CERTIFICATION** I certify that the above results were obtained after testing specimen in accordance with the procedures and equipment specified by the standard stated above.

Berta Stiver

Authorized Signature

Date Order Completed: 03/31/2025