



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

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:

<u>Test Results</u>			
Specimen Number	<u>Residual Flame</u> (seconds)	<u>Weight Loss</u> (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	
<u>10</u>	<u>0.0</u>	<u>6.26</u>	
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



applied lab



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	

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

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
- Individual specimen mass loss shall not exceeds mean + 3 SD 3

CONCLUSION

⊠ 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.

ta Stiver

Authorized Signature

553 76th Street, Byron Center, MI 49315

Date Order Completed: 03/31/2025

This laboratory test is not intended to reflect fabric performance under actual conditions. The certification procedure merely measures the performance of samples as received under the predetermined and specific test conditions prescribed by the standard specified. This certificate applies only to the standards or processing identified and to the random sample(s) tested. The test results are representative of the qualities of the piece or lot only to the standards or processing identified and to the random sample(s) tested. The test results are representative of the qualities of the piece or lot only to the standards or processing identified and to the random sample(s) tested.

P: 616-559-6123 E: contact@applied-lab.com

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Our reports and letters are for the exclusive use of the customer to whom they are addressed and they and the corporation named on the reverse are not to be used under any circumstances without prior written approval. Samples will not be retained, unless specified by the customer. Retained samples will be kept a maximum time of one year unless a specific retention period is necessary.

applied lab



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	

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

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
- Individual specimen mass loss shall not exceeds mean + 3 SD 3

CONCLUSION

⊠ 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.

ta Stiver

Authorized Signature

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