Following is a copy of the results of our latest independent testing as completed by Intertek, a globally respected independent testing lab. The results demonstrate US Meltblown's ability to meet each critical level for compliance under ASTM F2100, Level 3. Please note that these tests were conducted with **just one layer** of US Meltblown's meltblown polypropylene nonwoven fabric which is made in the USA by our proud U.S. citizens, using U.S.-produced raw materials, at our U.S. manufacturing facility in Fort Walton Beach, Florida.

Our meltblown's ability to meet ASTM F2100, Level 3 with just one layer "outside the completed mask" serves as a testament to the high quality of this U.S.-made product as manufactured by US Meltblown's skilled and caring employees. Your use of our meltblown product inside your assembled masks will provide further additive filtering and moisture repellency so that you will truly be delivering the best possible safety products to our country: to our military, to our medical and first responder communities, to public safety professionals, to everyone in the industries that serve our economy, and to all the citizens of the United States of America.



US MELTBLOWN LLC TEST REPORT

SCOPE OF WORK

Performance Testing of Face Masks to
ASTM F2100 Standard Specification for Performance of
Materials Used in Medical Face Masks, 2020 Edition

REPORT NUMBER

104712324CRT-001

ISSUE DATE

June 30, 2021

PAGES

8

DOCUMENT CONTROL NUMBER

GFT-OP-10i (28-Nov-2018) © 2021 INTERTEK





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www.intertek.com

TEST REPORT

Issued June 30, 2021 Intertek Report No. 104712324CRT-001 Intertek Project No. G104712324

CLIENT

US MELTBLOWN LLC 161 Hill Ave NW Fort Walton Beach, FL 32548 USA

TEST STANDARD

ASTM F2100 Standard Specification for Performance of Materials Used in Medical Face Masks, 2020 Edition

AUTHORIZATION

Quote Number: Qu-01180325-0

SAMPLE IDENTIFIED BY THE CLIENT AS

Product Type: Flat Material **Brand Name: US MELTBLOWN**

Model Numbers: White Flat Material Sheets

SAMPLE INFORMATION

Date(s) Samples Received: June 8, 2021

Condition of Samples: **Product Development**

Date(s) of Testing: June 20, 2021 Through June 30, 2021

TEST INFORMATION

ASTM F2101 Bacterial Filtration Efficiency Test data attached EN 14683:2019 Annex C Differential Pressure Test data attached ASTM F2299 Sub-Micron Particulate Filtration Test data attached

ASTM F1862 Resistance to Penetration by Synthetic Blood Not tested under this project Not tested under this project 16 CFR 1610 Flammability

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Version: 28-Nov-2018 Page 2 of 8 GFT-OP-10i



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TEST REPORT

Issued June 30, 2021 Intertek Report No.

Intertek Report No. 104712324CRT-001 Intertek Project No. G104712324

SECTION 1

CONCLUSION

This test report represents the testing covered by proposal number Qu-01180325-0.

The observations and test results in this report are relevant only to the sample tested. Intertek makes no representations or warranties, express or implied, regarding units that were not tested including, but not limited to, units that may be part of the same lot.

If there are any questions regarding the results contained in this report, or any other services offered by Intertek, please do not hesitate to contact the undersigned.

Please note this Test Report does not represent authorization for the use of any Intertek certification marks.

Project Owner:	Steven Morey	Project Reviewer:	Jason Allen
Title:	Technician	Title:	Technical Advisor
Signature:	Ster Jung	Signature:	1 all
Date:	June 30, 2021	Date:	June 30, 2021

REPORT REVISIONS

Date / Project #	Project Handler/ Reviewer	Description of Change



SECTION 2

ASTM F2100-19 TEST DATA

BACTERIAL FILTRATION EFFICIENCY (BFE), ASTM F2101-19

Specimens conditioned for 4-hours at 20.4-22.1°C and 83-86%RH

Test Set-up Information	
Area of Test Specimen (cm ²)	48.3
Specimen Side Facing Challenge	Inside of Mask
Flow Rate (LPM)	28.3
Averaged + Control Plate Count	2402
Mean Particle Size (μm)	2.62. 2.71

Medical Face Mask Barrier Testing					
Plate Count	Mask Specimen				
Stage	1	2	3	4	5
Stage 1	0	1	0	0	0
Stage 2	0	0	1	0	0
Stage 3	0	0	0	0	0
Stage 4	0	1	1	0	1
Stage 5	1	2	4	1	1
Stage 6	0	0	0	0	0
Plate Count Total	1	4	6	1	2
% BFE	>99.9	99.83	99.75	>99.9	>99.9

TEST EQUIPMENT INFORMATION

Description	Control Number	Calibration Date	Calibration Due
Conditioning Chamber	308-H252	2/26/2020	2/26/2021
Timer	308-H358	1/13/2020	1/13/2021
Pipette	308-H294	2/26/2020	2/26/2021
Analytical Balance	308-S268	12/2/2019	12/2/2020

	Date of Testing	6/23/2021
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SECTION 3

ASTM F2100-19 TEST DATA DIFFERENTIAL PRESSURE, EN 14683:2019 ANNEX C

Specimens conditioned for 4-hours at 20-22°C and 82-86%RH Specimens tested at 20-22°C and 55-62% RH Flow Rate 8 L/min

Medical Face Mask Barrier Testing- White Sample						
Specimen	Average ΔP (mm H ₂ 0/cm ²)	Area 1	Area 2	Area 3	Area 4	Area 5
1	2.7	2.8	2.8	2.8	2.4	2.8
2	2.7	2.7	3.0	2.6	2.4	2.6
3	2.6	2.8	2.6	2.4	2.8	2.7
4	2.7	2.6	2.7	2.7	2.6	2.7
5	2.6	2.7	2.6	2.6	2.8	2.4

TEST EQUIPMENT INFORMATION

Description	Control Number	Calibration Date	Calibration Due
Conditioning Chamber	308-H252	3/1/2021	3/1/2022
Differential Pressure Machine	308-H403	1/22/2021	1/21/2022

Date of Testing	6/30/2021
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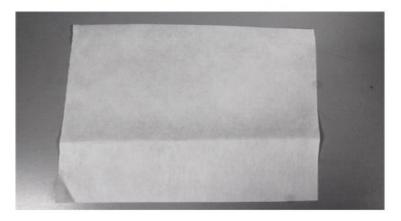
SECTION 4

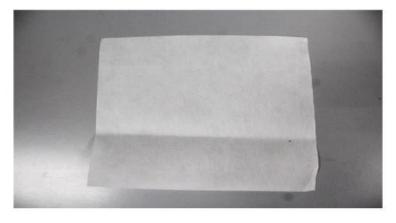
ASTM F2100-20 TEST DATA PARTICULATE FILTRATION EFFICIENCY (PFE), ASTM F2299-17



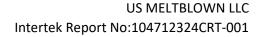
NUMBER: GUAT21017361

Original Sample





Intertek de Guatemala, S.A. 46 calle 21-53 zona 12. Expobodegas Petapa 46. Ofibodega #10, Guatemala City 01012, Guatemala, PBX: +502 2303 5800









NUMBER: GUAT21017361 DATE : 25-Jun-2021

APPLICANT : Intertek Testing Services NA Inc.
3993 US Route 11, Cortland, NY, 13045, U.S.A.
ATTN : Krissie Brown, Matthew Stevens

Overall Rating Pass Fail Data

Sample Description G104712324 US Meltblown LLC

Buyer Not Provided Not Provided Vendor Not Provided Agent Manufacturer / Factory Not Provided Not Provided Color Style Number CRT2106081057-001 REQ ID 0000049245 PÓ Number

Material /Fiber Content Not Provided **ASTM F 2299** Standard Product end use Not Provided Date Sample Received / Date Test Started: 22 Jun 2021

TEST CONDUCTED : AS PER THE REQUEST OF THE APPLICANT. FOR FURTHER DETAILS PLEASE REFER TO ENCLOSED PAGE(S)

CONCLUSION:

a Determination of the Initial Efficiency of Materials Used in Medical D Face Masks to Penetration by Particulates Using Latex Spheres

NOTE: P = Meet Buyer's Requirement F = Below Buyer's Requirement

= See Remark C = Conform Label

N/A = Not Applicable D = Data

AUTHORIZED BY FOR Intertek de Guatemala, S.A. [Guatemala]

RUDY SEMRAU GENERAL MANAGER REPORTES GUATEMALA

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 You have 60 days from the date of assuance of this report to notify us of any material error or ornisation obsured by our regigence; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise.
 A failure to raise such issue within the prescribed time shall constitute your unosualitied acceptance of the completeness of this report, the tests conducted and the correctness of the







NUMBER: GUAT21017361 25-Jun-2021

TEST CONDUCTED (AS REQUESTED BY THE APPLICANT)

1. ¤ Determination of the Initial Efficiency of Materials Used in Medical Face Masks to Penetration by Particulates Using Latex Spheres

- ASTM F2299/F2299M-03 (2017):

- Specimen side facing challenge: Outside of mask

- Airflow: 24.05 L/min - Sampling time: 60 s - Face velocity: 10.4 cm/s - Test area: 38.5 cm² - Relative Humidity: 63% - Temperature: 18°C

- Particle description: Sigma Aldrich LB1. White particles. 10% Solid Content in solution. Particle Diameter 0.1-0.12µm.

Std Deviation. 0.005-0.015µm. Neutralized)

SAMPLE A Not Provided

ASSESSMENT	Up Stream Particle	Down Stream Particle	Resistance to Ventilation (Pa)	Filtration Efficiency (%)
Specimen 1:	153740	2320	75.92	98.4
Specimen 2:	152280	2910	78.04	98.0
Specimen 3:	153460	2090	77.72	98.6
Specimen 4:	153320	2230	76.00	98.5
Specimen 5:	152540	2100	75.46	98.6

END OF THE TEST REPORT

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 Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us.
 You have 60 days from the date of issuance of this report to notify us of any material error or ornission caused by our negligence; provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise.
 A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the

report contents.

Our results are based in a Simple Acceptance Decision Rude according to Client's requirements.

Intertek de Guatemala, S.A. 46 calle 21-53 zona 12, Expobodegas Petapa 46, Ofibodega #10, Guatemala City 01012, Guatemala, PBX: +502 2303 5800 Page 2 of 2