



IPS TESTING

Test Report
May 10, 2021
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SGS-IPS 00788-21

Report to: Tim Benjamin
MMX Manufacturing LLC
6508 NW 77th Court
Miami, FL 33166

Sample Description: **Project IBR JN24302 (One Mask Sample)**

Date Received: April 23, 2021

Test(s) Requested: Flammability (16 CFR Part 1610), Resistance to Blood Penetration
(ASTM F 1862)

PO Number: SGS IBR JN24302


Analysis of One Mask Sample

SGS-IPS Testing performed the testing listed above on one mask sample provided by MMX Manufacturing LLC. The results are summarized in Tables 1 and 2 on the following pages of this report.

If you have any questions, please contact us.

SGS does not verify authenticity of any Brand/Trademark of products. Buyers must check if the product is genuine with the Brand/Trademark owner directly.

Authorized by


Jennifer Goggans
Laboratory Manager

Signed

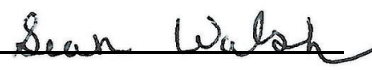

Sean Walsh
Lab Technician
Physical Testing
920-749-3040

Table 1. Physical Properties

Medical Face Mask
(JN24302)

Flammability (16 CFR Part 1610)



AT-1659

In Scope of ISO 17025	Y
Accreditation (Y/N)	
Orientation	Nose to Chin
Test Side	Outside
Burn Time (sec)	
1	DNI
2	DNI
3	DNI
4	DNI
5	DNI
Average	DNI
Conditioning	Oven
Classifications	Indicates Class 1.

IBE indicates the specimen Ignited But Extinguished.

DNI indicates the specimen Did Not Ignite.

Average calculated based on combusted samples only.

Table 2. Resistance to Blood Penetration (ASTM F 1862)

Medical Face Mask
(JN24302)



AT-1659

In Scope of ISO Y

17025

Accreditation (Y/N)

Resistance to Blood Penetration (Pass/Fail)

1	Pass
2	Pass
3	Pass
4	Pass
5	Pass
6	Pass
7	Pass
8	Pass
9	Pass
10	Fail
11	Pass
12	Pass
13	Pass
14	Pass
15	Pass
16	Pass
17	Pass
18	Fail
19	Pass
20	Pass
21	Pass
22	Pass
23	Pass
24	Pass
25	Pass
26	Pass
27	Pass
28	Fail
29	Pass
30	Pass
31	Pass
32	Pass

Resistance to Blood Penetration Summary 29 Pass/3 Fail

Test Parameters

Synthetic Blood Lot # 218201

Test Pressure (mmHg) 160

Method(s) and Notes:

All valid results are included in the statistical analyses.

Revisions of SGS-IPS methods when used are current at the time of testing.

Samples tested and conditioned in TAPPI standard conditions unless requested otherwise by customer or otherwise specified.

Samples were not preconditioned.

16 CFR Ch. II Part 1610 (1-1-18 Edition) - Standard for the Flammability of Clothing Textiles

Testing conducted as a Plain Surface Textile Fabric with modification IPS-T049.

If samples were oven-conditioned, samples were then cooled in a desiccator for a minimum of 15 minutes.

ASTM F 1862/F 1862M-17 Standard Test Method for Resistance of Medical Face Masks to Penetration by Synthetic Blood (Horizontal Projection of Fixed Volume at a Known Velocity)

A 2 mL check was performed at the beginning, middle and end of each sample.

Synthetic blood is purchased from Johnson, Moen & Co. Surface Tension is not independently verified after receipt and unused synthetic blood is stored in original plastic bottles.

Samples were conditioned prior to testing. Chamber conditions can be found as reported.

Analyzed by: SW

Quality review by: EB

Date(s) of testing: May 7-10, 2021

Room Conditions

	Relative Humidity (%)	Temperature (°F)
Conditioning Environment	49.9	73.6
Maximum during testing	49.9	73.8
Minimum during testing	49.9	73.6

Chamber Conditions ASTM F 1862 160mmHg

	Relative Humidity (%)	Temperature (°F)
Chamber Maximum	83.2	72.1
Chamber Minimum	83.1	72.0

Note: See the method(s) cited above for available estimates of measurement uncertainty. Unless otherwise noted, sampling was performed by customer.

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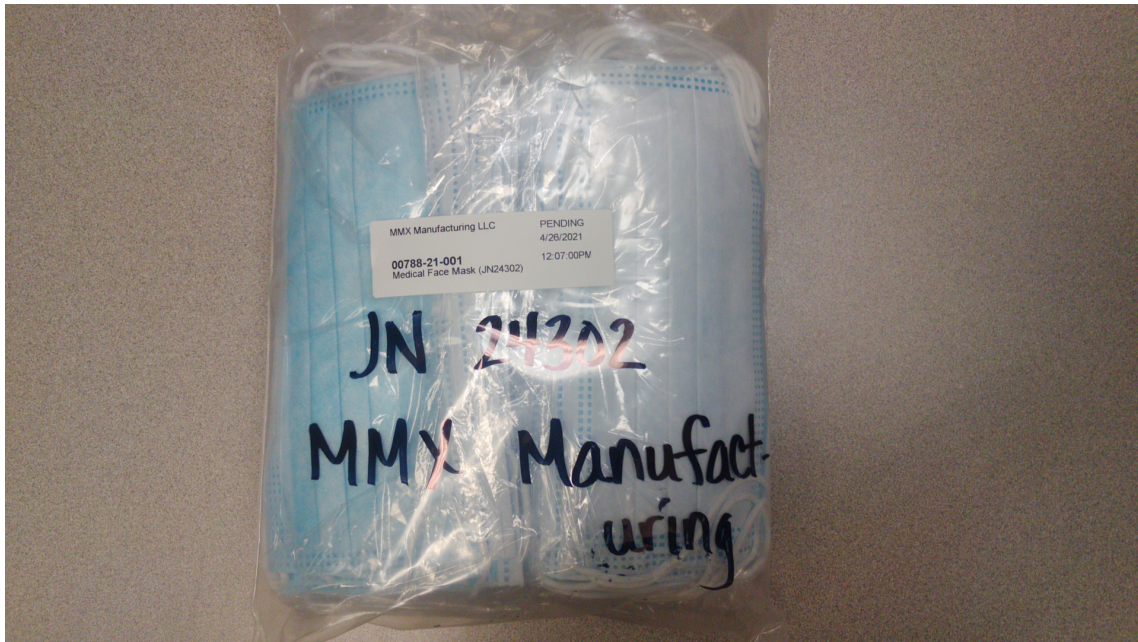


Figure 1. Login Sample Photos Medical Face Mask (JN24302)
Product information is provided by applicant without verification of authentication of the brand.