



# IPS TESTING

Test Report  
March 24, 2021  
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SGS-IPS 00520-21

Report to: Kevin Cho  
Commerce Plus Inc.  
167 N Mason Way A5  
City of Industry, CA 91746

Sample Description: **Project IBR 24060 (One Mask Sample)**

Date Received: March 12, 2021

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


PO Number: SGS IBR 24060

## Analysis of One Mask Sample

SGS-IPS Testing performed the testing listed above on one mask sample provided by Commerce Plus Inc. 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

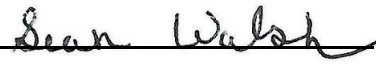
Signed   
Sean Walsh  
Lab Technician  
Physical Testing  
920-749-3040

Table 1. Physical Properties

Face Mask (White  
 Interior, Blue  
 Exterior)-Commerce  
 Plus Inc, SGS IBR  
 JN 24060

Flammability (16 CFR Part 1610)



AT-1659

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

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)

Face Mask (White  
 Interior, Blue  
 Exterior)-Commerce  
 Plus Inc, SGS IBR  
 JN 24060



AT-1659

In Scope of ISO 17025 Accreditation (Y/N) Y

Resistance to Blood Penetration (Pass/Fail)

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

Resistance to Blood Penetration Summary 31 Pass/1 Fail

Test Parameters

Synthetic Blood Lot # 109201

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

Face Mask (White Interior, Blue Exterior)-Commerce Plus Inc, SGS IBR JN 24060	
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.

Samples were not refurbished.  
 Preliminary tests to determine most rapidly burning direction were not conducted.  
 Samples were cooled in a desiccator after oven drying for a minimum of 15 minutes.  
 If samples could not be dried in an oven, samples were placed in a desiccator for a minimum of 1 hour.

Specimens were cut to 2.5"x6" to assist in securing specimens in the specimen holder.  
 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: SJW, SW

Quality review by: MAG

Date(s) of testing: March 18-24, 2021

**Room Conditions**

	Relative Humidity (%)	Temperature (°F)
Conditioning Environment	50.3	73.2
Maximum during testing	50.4	73.2
Minimum during testing	50.3	73.0

**Chamber Conditions ASTM F 1862 160mmHg**

	Relative Humidity (%)	Temperature (°F)
Chamber Maximum	85.7	71.3
Chamber Minimum	84.3	71.3

**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 Face Mask (White Interior, Blue Exterior)-Commerce Plus Inc, SGS IBR JN 24060  
*Product information is provided by applicant without verification of authentication of the brand.*