

SGS IBR JN: 25954A1

Report to: Juan Clenfuegos
 Southwest Synergetic Solutions, LLC
 215 Center St. #701
 San Antonio, TX 78202

PO Number: Prepaid by Check

Sample Description: Black Trifold Face Mask - BaekYak365, KOF 99MT barrier face covering, 3D design, 4 layer, disposable/reusable, Color: Black, Style: KOF 99MT, Korea Patent Registration No. 10-2115131, Made in Korea, 20210508 201

Sample Source: Southwest Synergistic Solution - San Antonio, TX
 Sample Received Date: 18 October 2022

Test Method: NIOSH TEB-APR-STP-0059 Determination of Particulate Filter Efficiency Level for N95 Series Filters against Solid Particulates for Non-Powered, Air-Purifying Respirators Standard Testing Procedure (STP) (Initial Only)



Signed: *Eliana Sterna*
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 Sr. Technician, Engineering Laboratory C&P

Authorized by: *Daniel R. Miller*
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 SGS IBR Laboratory Manager

Revision	Editorial or Technical	Description	Approved By	Release Date
		Initial Release	DRM	28-Oct-22

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Performed for: Southwest Synergetic Solutions, LLC

Location: San Antonio, Texas

Test Date(s): 25 October 2022

Contact: Juan Clenfuegos

Description of Sample: Black Trifold Face Mask - BaekYak365, KOF 99MT barrier face covering, 3D design, 4 layer, disposable/reusable, Color: Black, Style: KOF 99MT, Korea Patent Registration No. 10-2115131, Made in Korea, 20210508 201

Source: Southwest Synergistic Solution - San Antonio, TX

Date Received: 10/18/2022

Fluid: Air

Flow rate: 85 ± 4 lpm

Contaminant: NaCl Aerosol Count Median Diameter 0.075 ± 0.020 µm (Neutralized)

Mask Condition: As Received - Conditioned at 38±2.5°C and 85±5% RH for 25±1 hour prior to testing.

Initial Filtration Efficiency Only

Sample ID	Airflow Resistance (mmH2O)	Particle Filtration		Temp (°C)	RH (%)
		Penetration (%)	Efficiency (%)		
25954-1	7.2	10.1	89.9	21.7	30.1
25954-2	6.5	9.3	90.7	21.7	30.1
25954-3	9.1	5.9	94.1	21.7	30.1
25954-4	6.4	10.7	89.3	21.7	30.1
25954-5	6.8	8.2	91.8	21.7	30.1
25954-6	5.8	10.8	89.2	21.7	30.1
25954-7	6.2	12.5	87.5	21.7	30.1
25954-8	8.3	7.9	92.1	21.7	30.1
25954-9	5.3	15.9	84.1	21.7	30.1
25954-10	9.1	2.2	97.8	21.7	30.1

Subpart K - Air-purifying particulate respirators

eCFR 42 Part 84.174 Filter efficiency level determination test

N95 Filter Efficiency Requirement (%) ≥95

https://www.ecfr.gov/cgi-bin/text-id?tpl=/ecfrbrowse/Title42/42cfr84_main_02.tpl

Notice: These data relate only to the samples tested. This report may be copied only in its entirety.

Performed By: KAF/ES

Data Location: KAF-221013

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Performed for: Southwest Synergetic Solutions, LLC

Location: San Antonio, Texas

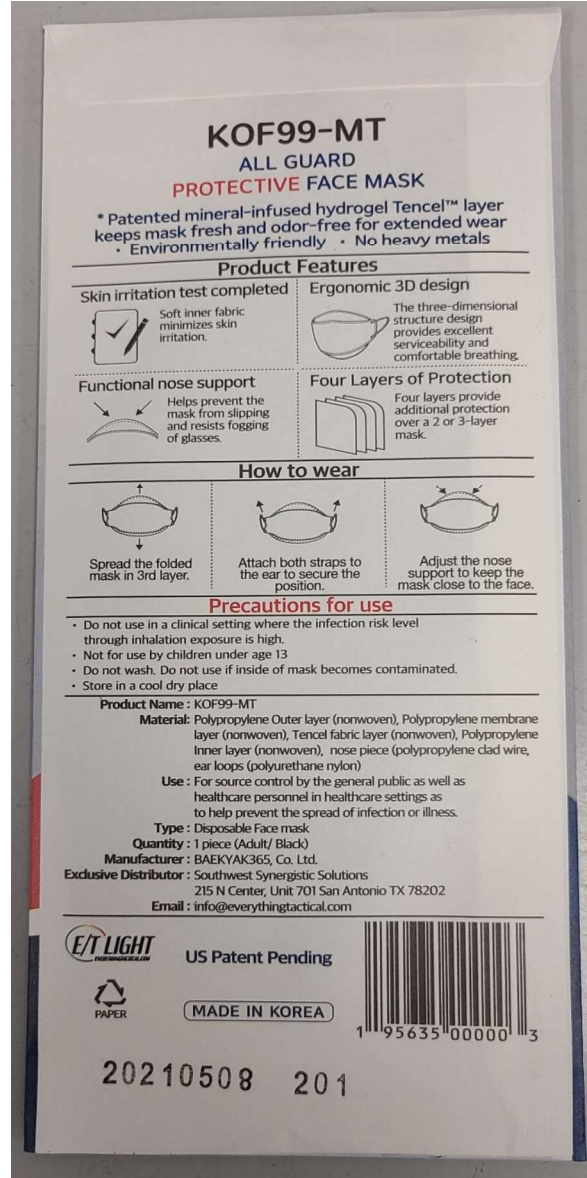
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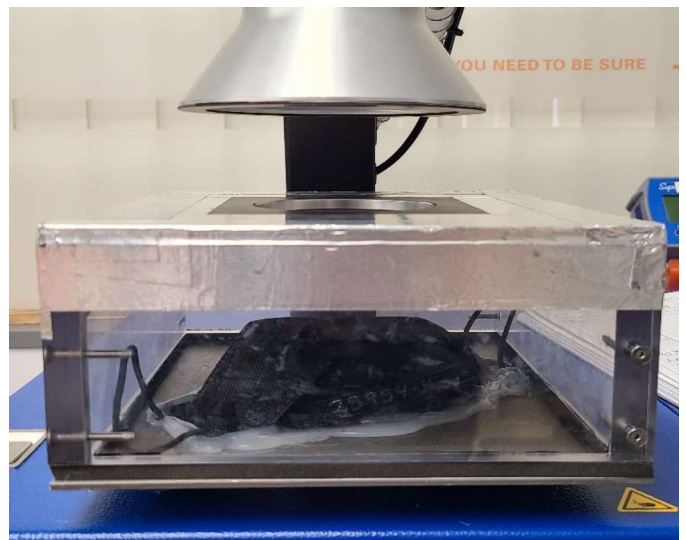
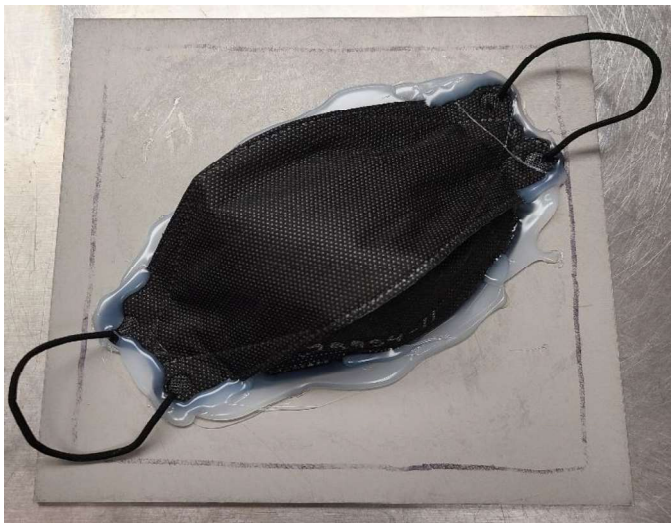
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Performed by:KAF/ES

Log Book:KAF-221013

IBR ID	Manufacturer	Model No.	Serial No.	Range of Use	Cal Due
ATS-25	TSI	8130A	15721074R3	N/A	Cal w/use
ATS-25	TSI	8130A	8175212007	1.0 µg/m ³ to 200mg/m ³	Cal w/use
ATS-25	TSI	8118A	72120028	N/A	Cal w/use
AF-125	TSI	4045	40452126003	0-300 lpm	8/22/2023
RH-210	Omega	OM-DVTH	421-0419-0059	10-90%, 10-50C	11/1/2022
RH-209	Vaisala	PTU300	R3240750	500-1100 hPa	8/29/2023
AME-77	Memmert	HCP50	H520.0079	38-90°C / 0-90%	1/11/2023