

Test Method: ASTM F2299/F2299M-03 (reapproved 2017) Determining the Initial Efficiency of Materials Used in Medical Face Masks to Penetration by Particulates Using Latex Spheres

Testing parameters per ASTM F2100-19 Standard Specification for Performance of Materials Used in Medical Face Masks

IBR JN: 23105D

Date: 28 October, 2020

Performed for: ReMadeUSA

Location: Los Angeles, CA

Contact: David Durst

Description of Samples: Blue/White 3-Layer Disposable Face Mask, Flat-Fold, M252525

Test Area: 45.22 cm²

Source: Mechanical Drives & Belting - Los Angeles, CA

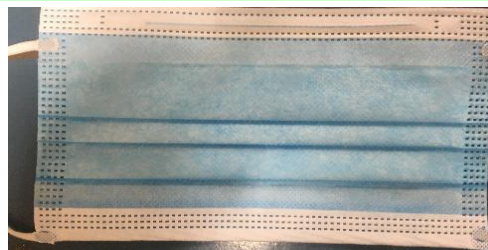
Date Samples Received: 19 October, 2020

Fluid: Air

Flow Rate : 28.3 lpm

Face Velocity: 10.4 cm/s

Challenge: 0.1µm (±15% CV) Latex Microspheres (Neutralized)



Filter ID	Differential Pressure (mmH ₂ O)	Port	Particles / 2 ft ³	
23105-1	13.0	Upstream Downstream Efficiency (%)	8573575 93915 98.90	Temp: 23.2 °C RH: 39.5 % BP: 736 mmHg
23105-2	13.7	Upstream Downstream Efficiency (%)	11387475 182960 98.39	Temp: 22.6 °C RH: 38.6 % BP: 736 mmHg
23105-3	13.2	Upstream Downstream Efficiency (%)	12009500 188989 98.43	Temp: 22.7 °C RH: 37.2 % BP: 736 mmHg
23105-4	13.5	Upstream Downstream Efficiency (%)	11338825 175566 98.45	Temp: 22.8 °C RH: 37.4 % BP: 736 mmHg
23105-5	13.0	Upstream Downstream Efficiency (%)	11859200 205110 98.27	Temp: 22.8 °C RH: 35.5 % BP: 736 mmHg

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

Performed By: NG

Data Location: NG-201020

Manufacturer	Model Number	Serial Number	IBR ID	Range of Use	Cal Due
Meriam	50MJ10	G-61188	AF-77	6 - 48 slpm	4/7/2025
Dwyer	477B-1	00AU4U	MAN-57	0.1-20.0 inH ₂ O	7/24/2021
Dwyer	DHII-007	Date Code: A31X	MAN-31	0.1-10.0 inH ₂ O	2/17/2021
Vaisala	HMT330	L5220038	RH-206	12-75%RH/16-27C	1/9/2021
Vaisala	PTU300	R3240750	RH-209	500-1100 hPa	8/11/2021
PMS	Lasair III 110	116514	N/A	0.1-5.0 µm	12/17/2020
PMS	Lasair III 110	102709	N/A	0.1-5.0 µm	3/1/2021

Reviewed By: _____

Daniel R. Miller, Air Labs Manager

Revision	Editorial / Technical	Description	Approved By	Release Date
		Initial release	DRM	10/28/2020