

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: 23834D

Performed for: Brilliance Air

Location: Rialto, CA

Date: 10 February 2021

Contact: Kelly Neagle

**Description of Samples: Brilliance Air, Disposable, Flat-fold facemask, FM3P-10Pk, MFR:FEB2021
UVC SANITIZED MADE IN USA**

 Test Area: 45.22 cm²

Source: Brilliance Air-Rialto, CA

Date Samples Received: 05 February 2021

Fluid: Air

Flow Rate : 28.3 lpm

Face Velocity: 4.7 cm/s

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



Filter ID	Differential Pressure (mmH ₂ O)	Port	Particles / 2 ft ³	
23834-1	2.3	Upstream	8252175	Temp: 23.0 °C
		Downstream	150899	RH: 42.6 %
		Efficiency (%)	98.17	BP: 744 mmHg
23834-2	2.3	Upstream	6938775	Temp: 22.8 °C
		Downstream	133219	RH: 42.9 %
		Efficiency (%)	98.08	BP: 744 mmHg
23834-3	2.3	Upstream	7756050	Temp: 22.6 °C
		Downstream	155108	RH: 43.5 %
		Efficiency (%)	98.00	BP: 744 mmHg
23834-4	2.3	Upstream	7775425	Temp: 22.5 °C
		Downstream	131751	RH: 44.1 %
		Efficiency (%)	98.31	BP: 744 mmHg
23834-5	2.5	Upstream	6931150	Temp: 22.7 °C
		Downstream	110070	RH: 42.9 %
		Efficiency (%)	98.41	BP: 744 mmHg

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

Performed By: SRO

Data Location: SRO210208

Manufacturer	Model Number	Serial Number	IBR ID	Range of Use	Cal Due
ACCURA	0100/A07/A/N/0	3087060501	AF-74	9-95slpm	4/2/2025
Dwyer	477AV-0	02N2VX	MAN-64	0.1-10.0 inH ₂ O	1/14/2022
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	1/12/2022
Testo	511	39111389/505	MAN-51	300-1200 hPa	8/31/2021
PMS	Lasair III 110	116514	N/A	0.1-5.0 µm	5/29/2021
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	2/11/2021