

## Test Method: EN14683:2019 Annex C Method for determination of breathability (differential pressure)

IBR JN: 22101C

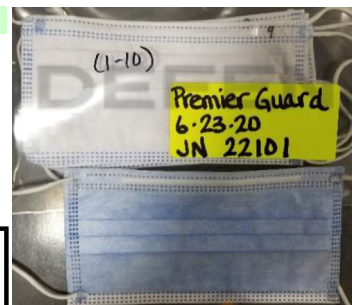
Performed for: Premier Guard USA LLC

Date: 10 July 2020

Location: Jackson, MS

Contact: Howard Sherman

## Description of Samples: Ecoguard surgical face masks, MFG 6/22/20, Lot 200602

Source: Premier Guard USA LLC  
Date Samples Received: 23 June 2020Fluid: Air  
Flow Rate: 8 lpm  
Effective Area: 4.9 cm<sup>2</sup>

Filter ID	Measurement Area	Differential Pressure (mmH <sub>2</sub> O)	Mean Differential Pressure (mmH <sub>2</sub> O)	Mean Differential Pressure / Area (mmH <sub>2</sub> O/cm <sup>2</sup> )	
22101-6	1	20.2	23.7	4.8	Temp: 21.2 °C RH: 49.2 % BP: 731 mmHg
	2	23.7			
	3	20.8			
	4	24.9			
	5	28.7			
22101-7	1	32.0	28.4	5.8	Temp: 21.1 °C RH: 49.0 % BP: 731 mmHg
	2	31.9			
	3	27.1			
	4	27.5			
	5	23.3			
22101-8	1	23.6	24.4	5.0	Temp: 21.2 °C RH: 48.7 % BP: 731 mmHg
	2	22.7			
	3	23.5			
	4	25.4			
	5	27.0			
22101-9	1	22.5	22.6	4.6	Temp: 21.2 °C RH: 49.5 % BP: 731 mmHg
	2	22.1			
	3	30.3			
	4	18.2			
	5	20.0			
22101-10	1	27.6	22.6	4.6	Temp: 21.3 °C RH: 49.4 % BP: 731 mmHg
	2	21.3			
	3	26.4			
	4	17.6			
	5	20.2			

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

Performed By: DN

Data Location: DN262

Description	IBR ID	Manufacturer	Model No.	Serial No.	Range of Use	Cal Due
Flow Meter	AF-112	Alicat Scientific	M20SLPM-D/5M	99928	0.1-20 SLPM	8/30/2020
Differential Pressure	MAN-52	Dwyer	DHII-007	DC: A38AA	0.1-10.0 inH <sub>2</sub> O	1/31/2021
Temp / Humidity	RH-206	Vaisala	HMT330	L5220038	12-75%RH/16-27C	1/9/2021
Barometric Pressure	MAN-51	Testo	511	39111389/505	300-1200 hPa	8/29/2020

Reviewed By: \_\_\_\_\_

Daniel R. Miller, Air Labs Manager

Revision	Editorial / Technical	Description	Approved By	Release Date
		Initial Release	DRM	7/12/2020