

**Test Method: EN14683:2019 Annex C Method for determination of breathability (differential pressure)**
**IBR JN: 24059C**

Performed for: Commerce Plus Inc

Date: 25 March 2021

Location: City of Industry, CA

Contact: Kevin Cho

**Description of Samples: Disposable Flat-fold Face Masks**

Source: Commerce Plus Inc

Date Samples Received: 10 March 2021

Fluid: 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> )	
24059-6	1	8.6	9.1	1.9	Temp: 24.8 °C RH: 34.7 % BP: 732.0 mmHg
	2	8.3			
	3	7.3			
	4	11.2			
	5	10.3			
24059-7	1	7.6	9.5	1.9	Temp: 24.7 °C RH: 34.7 % BP: 732.0 mmHg
	2	9.4			
	3	10.9			
	4	9.7			
	5	9.8			
24059-8	1	9.5	10.0	2.0	Temp: 24.6 °C RH: 34.4 % BP: 732.0 mmHg
	2	9.0			
	3	12.0			
	4	10.6			
	5	9.0			
24059-9	1	12.5	11.4	2.3	Temp: 24.6 °C RH: 34.6 % BP: 732.0 mmHg
	2	8.2			
	3	12.0			
	4	12.5			
	5	11.7			
24059-10	1	11.3	10.5	2.1	Temp: 24.5 °C RH: 34.5 % BP: 732.0 mmHg
	2	9.2			
	3	11.1			
	4	9.6			
	5	11.3			

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

Performed By: LA

Data Location: LAB-210317

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	8/27/2021
Differential Pressure	MAN-65	Dwyer	477B-1	014M0B	0.1-20.0 inH <sub>2</sub> O	11/23/2021
Temp / Humidity	RH-196	Omega	OM-DVTH	421-438-0372	40-60%/60-80F	1/15/2022
Barometric Pressure	RH-209	Vaisala	PTU300	R3240750	500-1100 hPa	8/11/2021

Reviewed By:

Daniel R. Miller, Air Labs Manager

Revision	Editorial / Technical	Description	Approved By	Release Date
		Initial Release	DRM	3/30/2021