10 Abbott Court, Building C, Unit 303 • Brantford ON N3S 0E7 Canada Tel: (905) 648-5500 • Fax: (905) 648-5800 Tel: 1-888-689-1235 • Fax: 1-866-491-1236 Website: www.apcfilters.com

## **Certification of Test (CoT)**

Test Date Test Type **Test Aerosol** Customer **Manufacturing Order Serial Number Range** 

March 30, 2020
IEST-RP-CC007.3
KCl, Neutralized
Surgically Clean Air Inc.
20158
N/A

Part Number **Nominal Dimensions** Pleat Quantity Media Lot Number Media Type Est. Media Surface Area

 Long Filter
20-5/8" x 9-1/8" (Length x Diameter)
N/A
N/A
N/A
N/A

## **Filter Front**



## 0.05 0.04 0.03 0.02 0.01 0.00 Sample - 1 @ 144 Sample - 2 @ 144 Sample - 1 @ 230 Sample - 2 @ 230 CFM CFM CFM CFM

Pressure Drop Graph (Each Sample)

## **Test Conditions**

Test Air Temp. (degrees in F.) Relative Humidity (%) Barometric Pressure (in Hg.)

33 29.3

Test Res	ults	Graph of Efficiency (%) vs. Particle size (μm)
Sample 1 Sample - 1 @ 144 CFM Airflow Rate [CFM]	144	100.000%
Filter Resistance [ in WG]	0.03	99.995%
Efficiency [%] @ 0.1 - 0.2μm	99.999%	
Sample 2 Sample - 2 @ 144 CFM		99.990%
Airflow Rate [CFM]	144	99.985% —
Filter Resistance [ in WG] Efficiency [%] @ 0.1 - 0.2μm	0.03 99.999%	■ Sample - 1 @ 144 CFM ■ Sample - 2 @ 144 CFM
		99.980% - Sample - 1 @ 230 CFM
Sample 3 Sample - 1 @ 230 CFM Airflow Rate [CFM]	230	99.975% — Sample - 2 @ 230 CFM
Filter Resistance [ in WG]	0.04	99.970% —
Efficiency [%] @ 0.1 - 0.2μm	99.999%	35,570%
Sample 4 Sample - 2 @ 230 CFM		99.965% —
Airflow Rate [CFM]	230	99.960%
Filter Resistance [ in WG] Efficiency [%] @ 0.1 - 0.2μm	0.04 99.998%	0.1 - 0.2

Filter Rating "if applicable" N/A

**Approvals** 

Tested By: Date:

Approved By:

Viraj Patel March 30, 2020

Signed:

Date:

Kelly Herbert March 30, 2020 Signed:

ISO 9001:2015



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Retention: 24 Months Form Control: Production Form Number: APC-QF-165-A File Location: I:\Quality System