Blue Heaven Technologies

2820 S. English Station Road - Louisville, KY 40299
Tel: (502) 357-0132 Fax (502) 267-8379

Date: 4/6/2020 **TEST NO.** 20-181-1

Respirator Media

Test Report

Following NIOSH Procedures TEB-APR-STP 0051-0059

and CFR 42 Part 84 Subpart K-Non-Powered Air Purifying Particulate Respirators

Filter Description

Manufacturer	DHA Filter
Filter Model	N/A
Part Number	FM-99-D
Generic Filter Type	PP Nonwoven Mask Material
Nominal Dimensions (H x W)	N/A
Pocket / Pleat Quantity	N/A
Media Type	PP Nonwoven/PTFE membrane
Est. Gross Media Area	N/A

Test Conditions

Test Aerosol	Latex Spheres	Test Air Temp (degrees F.)	75
Barometric Pressure (In. Hg.)	29.4	Relative Humidity (%)	46

Test Results

Airflow Rate (CFM)	**1.3**
Nominal Face Velocity (FPM)	**3.0**
Test Area (ft^2)	**0.431**
Average Initial Resistance (in. WG)	**0.04**
Average Efficiency at 0.1 µm (%)	**99.49**
Rating	**Not Rated**

Comments Tested on VD2 using Aerosolized Latex Spheres and TSI Model 3080 Electrostatic Classifier and TSI Model 3772 Particle Counter. Efficiency calculated for particles at 0.1µm at 1.3 CFM (85L/min) using a 0.43 ft^2 test area.

Average values are taken for the three independently run tests on the designated media.

Individual test results found on page two.

Requestor Information	Test Requestor	Jeff Hanna	Phone:	904-269-8701
	Company Name	DHA Filter	Email:	jeff@dhafilter.com
	Company Address	P.O. Box 66209 Orange Park, FL 32065	Date Requested	4/1/2020
Test Operator Information	Test Performed by:	Evan Sparks	Completion Date	4/6/2020

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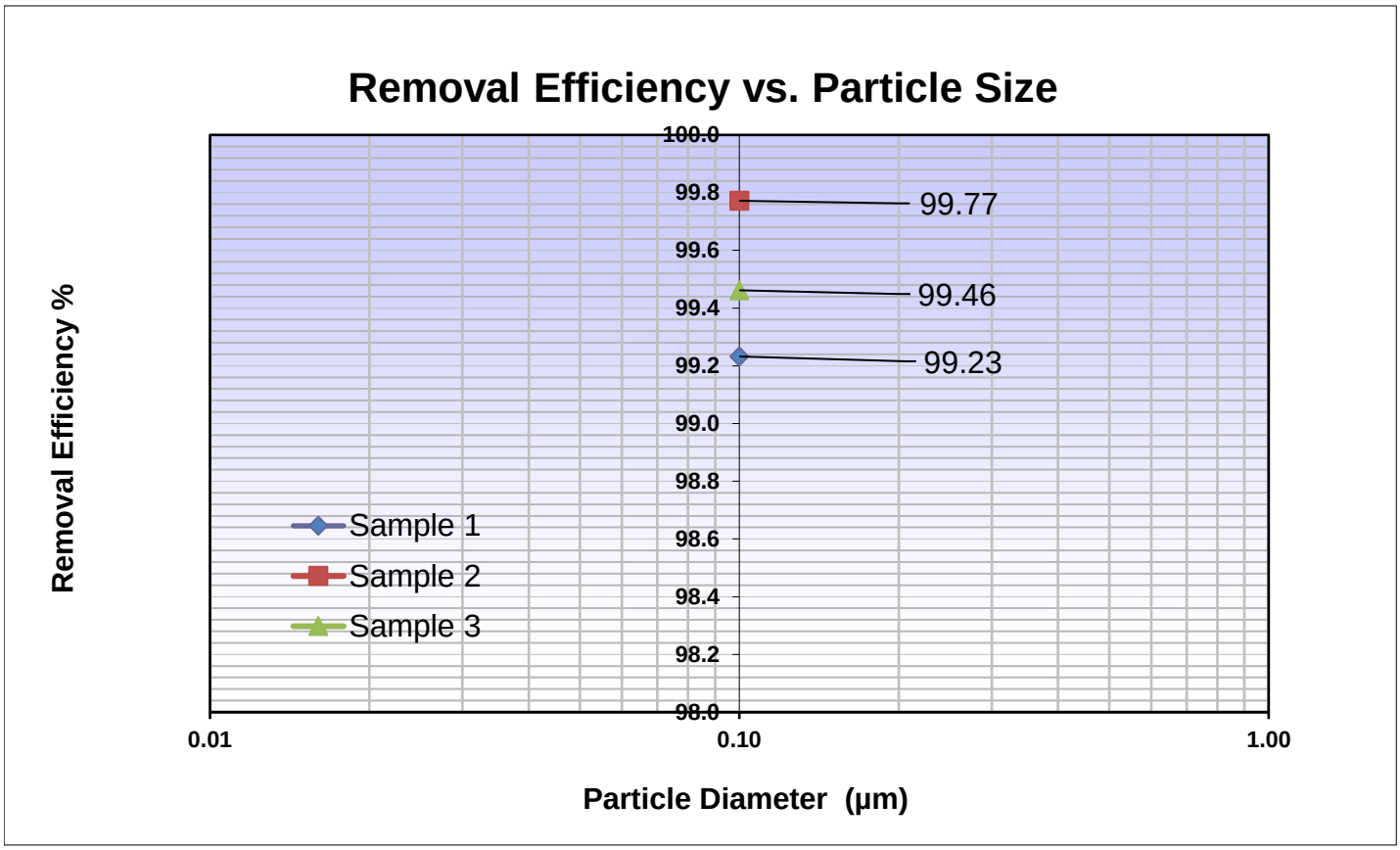
Test No. 20-181-1
Date: 06-Apr-20



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Single Pass Tests

Test No. 20-181-1
Date: 06-Apr-20

Data - Initial Resistance

Velocity (FPM)	Initial Resistance (in. WG)			
	Sample 1	Sample 2	Sample 3	Average
3.00	0.04	0.04	0.04	0.04

Velocity (FPM)	Initial Resistance (Pa)			
	Sample 1	Sample 2	Sample 3	Average
3.00	9.96	9.96	9.96	9.96

Data - Particle Removal Efficiency

Particle Size (µm)	Efficiency %			
	Sample 1	Sample 2	Sample 3	Average
0.1	99.23	99.77	99.46	99.49