

**IBR JN: 19906**

 Performed for: Aegis Fire Gear  
 Location: Braselton, GA  
 Contact: Chad Wenzel

Date: 10 June, 2019

**Test Method: NFPA 1971:2018 Efficiency of barrier flat sheet media - Flowing**
**Description of Samples: Compression Shirt - Aegis Fire Gear Compression LS Shirt, Small**

Date Samples Received: 24 May, 2019

Sample Source: Aegis Fire Gear

Face Velocity: 1 cm/sec, 1.7 LPM

Flow Direction: Outside of shirt facing upstream

Conditions: Temperature 23C, Relative Humidity 50.2%, Barometric Pressure 732.2mmHg

Contaminant: Latex Sphere Aerosol, polydispersed (Neutralized)

IBR ID	Layers	Label on Sample	Port	Particles at: (in micron)							
				0.10	0.16	0.30	0.50	0.60	0.70	0.81	1.00
19906-1-1	1	Aegis Fire Gear Compression LS Shirt, Small	Upstream	293019	343981	188643	119195	101840	89525	78085	68513
			Downstream	3051	5847	2132	1149	806	454	317	206
			<b>Efficiency (%)</b>	<b>98.96</b>	<b>98.30</b>	<b>98.87</b>	<b>99.04</b>	<b>99.21</b>	<b>99.49</b>	<b>99.59</b>	<b>99.70</b>
19906-1-2	1	Aegis Fire Gear Compression LS Shirt, Small	Upstream	309914	355490	195298	125806	105944	93484	85496	74316
			Downstream	2591	4727	2179	1055	711	521	339	251
			<b>Efficiency (%)</b>	<b>99.16</b>	<b>98.67</b>	<b>98.88</b>	<b>99.16</b>	<b>99.33</b>	<b>99.44</b>	<b>99.60</b>	<b>99.66</b>
19906-1-3	1	Aegis Fire Gear Compression LS Shirt, Small	Upstream	304205	351818	188648	121016	103807	90516	82400	71499
			Downstream	3570	6663	3269	1699	1053	746	450	313
			<b>Efficiency (%)</b>	<b>98.83</b>	<b>98.11</b>	<b>98.27</b>	<b>98.60</b>	<b>98.99</b>	<b>99.18</b>	<b>99.45</b>	<b>99.56</b>

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

Performed By: DN

Data Location: DN235



Manufacturer	Model Number	Serial Number	IBR ID	Range of Use	Cal Due Date
Alicat	M-50SLPM-D/5M	89682	AF-96	0.4-5 slpm	7/13/2019
Dwyer	DHII-007	Date Code: A31X	MAN-31	0.1-9.0 inH2O	2/12/2020
Dwyer	475-000	none	MAN-33	0.1-1.0 inH2O	5/9/2020
Omega	OM-DVTH	421-432-0223	RH-197	13-82%/61-80F	2/5/2020
Testo	511	39111389/505	MAN-51	300-1200 hPa	9/7/2019
TSI	3080	70502006	N/A	10-1000 nm	8/7/2019
TSI	3772	3772113401	N/A	10-1000nm	8/7/2019
TSI	3080	70902080	N/A	10-1000nm	7/26/2019
TSI	3772	70907300	N/A	10-1000nm	7/26/2019

Revision	Editorial or Technical	Description	Approved by	Release Date
		Initial release	DRM	6/10/2019

Reviewed By:

Daniel R. Miller, Air Labs Manager