

Particle Filtration Testing Final Report

Test Article:	OCTO Safety Devices OCT-A100-99
Study Date:	February 4, 2021
Testing Facility:	The Nonwovens Institute Analytical Laboratories
Study Number:	2021-010
Test Procedure(s):	TSI 8130, 60 L/min, 2% salt solution, particles at 0.3 microns
Deviation(s):	None

Summary: TSI 8130 used to determine the penetration obtained based on the measurement of the flux of light scattering from particles upstream and downstream of the media. Initial penetration levels for polydisperse NaCl particles were measured to avoid a loading effect for better comparison and correlation with other tests. The test face velocities were set at 10 cm/s at a flow rate of 60 L/min.

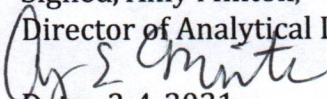
Measurements were made for a total of 4 articles. The filtration efficiency and the associated pressure drop for each sample were recorded.

Testing was performed in compliance with US FDA good manufacturing practice (GMP) regulations 21CFR.

Sample ID: OCT-A100-99

Particle Size (Microns)	0.3
Average Filtration Efficiency (%)	98.7 ± 1.0
Pressure Drop (Pa)	205.7 ± 24.6

Signed, Amy Minton,
 Director of Analytical Laboratories, The Nonwovens Institute



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The Nonwovens Institute
1010 Main Campus Drive
Raleigh, NC 27606
P: 919.515.6551
<https://thenonwovensinstitute.com>

Sample	Efficiency (%) @ 0.3 Microns	Pressure Drop (Pa)
1	99.0	216.0
2	98.5	193.3
3	99.7	234.6
4	97.4	178.9
Mean	98.7	205.7
Std. Dev	1.0	24.6