

Differential Pressure (Delta P) Final Report

Test Article: SAMPLE ID: WLM2002
Purchase Order: WL201906-0920
Study Number: 1225964-S01
Study Received Date: 26 Sep 2019
Testing Facility: Nelson Laboratories, LLC
6280 S. Redwood Rd.
Salt Lake City, UT 84123 U.S.A.
Test Procedure(s): Standard Test Protocol (STP) Number: STP0004 Rev 17
Deviation(s): None

Summary: The Delta P test is performed to determine the breathability of test articles by measuring the differential air pressure on either side of the test article using a manometer, at a constant flow rate. The Delta P test complies with EN 14683:2019, Annex C and ASTM F2100-19.


All test method acceptance criteria were met. Testing was performed in compliance with US FDA good manufacturing practice (GMP) regulations 21 CFR Parts 210, 211 and 820.

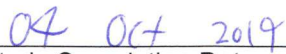
Test Side: Inside
Delta P Flow Rate: 8 Liters per minute (L/min)
Conditioning Parameters: $85 \pm 5\%$ relative humidity (RH) and $21 \pm 5^{\circ}\text{C}$ for a minimum of 4 hours
Test Article Dimensions: ~176 mm x ~159 mm

Results:

Test Article Number	Delta P (mm H ₂ O/cm ²)	Delta P (Pa/cm ²)
1	3.0	29.2
2	3.0	29.8
3	3.0	29.8
4	3.0	29.0
5	3.0	29.2


Study Director


Janelle R. Bentz, M.S.


Study Completion Date



1225964-S01