

## Differential Pressure (Delta P) Final Report

Test Article: 1302  
Study Number: 1318168-S01  
Study Received Date: 08 Jul 2020  
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 18  
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 ± 5% relative humidity (RH) and 21 ± 5°C for a minimum of 4 hours  
Test Article Dimensions: ~174 mm x ~168 mm

### Results:

Test Article Number	Delta P (mm H <sub>2</sub> O/cm <sup>2</sup> )	Delta P (Pa/cm <sup>2</sup> )
1	5.1	50.4
2	4.9	47.6
3	5.2	51.1
4	5.7	55.4
5	5.5	53.8



McKenna Wild electronically approved for  
Study Director

James Luskin

29 Jul 2020 17:23 (+00:00)  
Study Completion Date and Time