

## Differential Pressure (Delta P) Final Report

Test Article: 118-34010400/77623  
 Purchase Order: 1005  
 Study Number: 1339788-S01  
 Study Received Date: 09 Sep 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

### Results:

Test Article Number	Delta P (mm H <sub>2</sub> O/cm <sup>2</sup> )	Delta P (Pa/cm <sup>2</sup> )
1	4.7	46.4
2	4.7	45.8
3	4.3	42.5
4	4.2	41.1
5	4.8	46.8



Trang Truong electronically approved for  
Study Director

James Luskin

25 Sep 2020 15:15 (+00:00)  
Study Completion Date and Time