

Differential Pressure (Delta P) Final Report

Test Article: Cool Collection® KF 94 BP&WP Yellow Dust Preventive Mask
 Study Number: 1373440-S01.1 Amended
 Study Received Date: 17 Dec 2020
 Study Completion Date: 04 Jan 2021
 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 ₂ O/cm ²)	Delta P (Pa/cm ²)
1	8.9	87.6
2	9.6	94.5
3	9.0	88.6
4	9.4	92.3
5	9.0	88.0



Leah Tiberius electronically approved
 Study Director

Leah Tiberius

02 Apr 2021 17:57 (+00:00)
 Amended Report Date and Time