

ISO/IEC 17025 Certified Third Party Test Report

DATE ISSUED: April 7, 2020 FILE: CLEANB.A040620B
DATE REVISED: April 9, 2020

CLIENT: CleanBrands, LLC ATTN: Andrew Walters
501 Centerville Road, Ste 203
Warwick, RI 02886

SAMPLE IDENTIFIED BY CLIENT AS:

Fabric Submitted
Manufacturer: CleanBrands
Name: CleanRest PRO Max
Style: MicronOne B: Waterproof Breathable Sleep Surface Fabric
Color Optic White

DOUBLE RED LABEL

TEST PROCEDURES:

TEST RESULTS:

WATER RESISTANCE - IMPACT
PENETRATION TEST (AATCC 42):

WATER AGAINST FACE OF FABRIC

0.25 g average water penetration

HYDROSTATIC PRESSURE TEST
OPTION 2: HYDROSTATIC HEAD
TESTER (AATCC 127):

Specimen 1: 7415.4 mm
Specimen 2: 6946.2 mm
Specimen 3: 6752.4 mm
Specimen 4: 6864.6 mm
Specimen 5: 7425.6 mm
Average: 7080.8 mm

RESISTANCE OF MATERIALS IN PROTECTIVE CLOTHING
TO PENETRATION BY SYNTHETIC BLOOD (ASTM F1670-B):

Sample	Result
B	Pass

COMMENT: Uniform results in triplicate.

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**VIRAL PENETRATION, RESISTANCE OF MATERIALS USED
IN PROTECTIVE CLOTHING TO PENETRATION BY BLOODBORNE PATHOGENS
(ASTM F1671), PROCEDURE B, USING NYLON MESH RETAINING SCREEN:**

Viral penetration was tested for using a ϕ X174 bacteriophage suspension for 60 minutes. At the end of the test, the observed side of the test sample was rinsed with sterile medium and assayed for the presence of ϕ X174 bacteriophage.

Executive Summary

Compatibility ratio for B tested in triplicate was 0.98 (i.e., exposure of virus to the test sample for 1 h did not affect the virus titer).

Settle plates (two from hood and two from bench) showed no plaques, indicating the absence of aerosol bacteriophage spread. Testing of test cells before exposure to virus was uniformly negative for virus showing the absence of test cell contamination.

Test Article (each in triplicate)	pre-challenge (PFU ^a /ml)	post-challenge (PFU/ml)	Test Cell Wash (5ml) bacteriophage penetration (PFU/ml)	Visual penetration	Test Result
B	3.0 x 10 ⁸	3.3 x 10 ⁸	0	No	Pass
Impermeable control	3.0 x 10 ⁸	3.0 x 10 ⁸	0	No	Pass
Permeable control	3.0 x 10 ⁸	3.0 x 10 ⁸	>200	Yes	Fail (expected)

^a PFU: plaque-forming units

Signed For The Company By
Joseph Lin
Joseph Lin
Laboratory Manager



Stacy Sadowy
Stacy Sadowy
Quality Assurance Manager

JG/04...JG/04