



## **INTERTEK TEST REPORT**

**3933 US ROUTE 11**

**CORTLAND, NEW YORK 13045**

**Order No. G102210076**

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**Date: July 24, 2015**

**REPORT NO.: 102210076CRT-001**

**QUOTE: 500609522**

**RENDERED TO:**

**INDUTEX S.P.A  
VIA S. FRANCESCO 8/10  
20011-CORBETTA  
ITALY**

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**STANDARD(S) AND TEST USED:** ASTM F 1670-14, Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Synthetic Blood

ASTM F 1671-13, Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Blood-Borne Pathogens Using Phi-X174 Bacteriophage Penetration as a Test System.

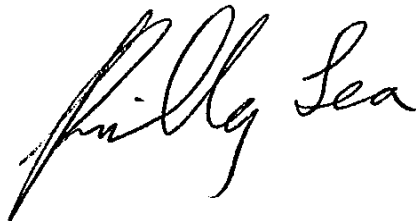
**AUTHORIZATION:** The test was authorized by a signed quote: 500609522.

**SPECIMEN DESCRIPTION:** The test was performed on specimens identified by the client as "Puntiform fabric used for Sprayguard and Cleanguard items". The samples previously described, were received in pristine condition on 6/29/15. The testing was performed at Intertek located in Cortland, NY on 7/14/15 and 7/17/15.

**CONCLUSION:** The samples submitted by Indutex, were evaluated in accordance with ASTM F 1670-14, Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Synthetic Blood and ASTM F 1671-13, Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Blood-Borne Pathogens Using Phi-X174 Bacteriophage Penetration as a Test System. Test data sheet is attached as an appendix (1 page following).

Report Written by:

Report Approved by:

A handwritten signature in black ink, appearing to read "Kimberly Lea". The signature is fluid and cursive, with the first name "Kimberly" written in a more compact, stylized manner and the last name "Lea" written more fully.

Kimberly Lea  
Microbiologist  
Performance Group

A handwritten signature in black ink, appearing to read "Dannielle Loranger". The signature is fluid and cursive, with the first name "Dannielle" written in a more compact, stylized manner and the last name "Loranger" written more fully.

Dannielle Loranger  
PPE Reviewer  
Performance Group

**APPENDIX****ASTM F 1670:14 Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Synthetic Blood****Product Name/Model/Description:** Puntiform fabric used for Sprayguard and Cleanguard items**Conditioning:** At a temperature of  $21 \pm 5^{\circ}\text{C}$  and a relative humidity of 30-80% until equilibrium is reached or for at least 24 hours, whichever is shorter.**Specimen Exposure Procedure:** Procedure B: 0 psig for 5 minutes, 2 psig for 1 minute, 0 psig for 54 minutes. Stainless steel retaining screen used.**Test Results:**

Test Results	Sample 1	Sample 2	Sample 3	Averages
Sample Thickness (mils)	11	10	11	10.6667
Sample Weight (g)	0.3711	0.3687	0.3684	0.3694
Time to Penetration (min)	>60	>60	>60	>60
Pass/Fail	Pass	Pass	Pass	

**Note:** Sample edges were waxed to prevent wicking.**ASTM F 1671-13, Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Blood-Borne Pathogens Using Phi-X174 Bacteriophage Penetration as a Test System****Product Name/Model/Description:** Puntiform fabric used for Sprayguard and Cleanguard items**Conditioning:** At a temperature of  $21 \pm 5^{\circ}\text{C}$  and a relative humidity of 30-80% until equilibrium is reached or for at least 24 hours, whichever is shorter.**Specimen Exposure Procedure:** Procedure B: 0 psig for 5 minutes, 2 psig for 1 minute, 0 psig for 54 minutes. Stainless steel retaining screen used.**Method of Sample Sterilization:** UV-Light (Bio-hood Biosafety Level 2)**Test Results:**

Quality Control Samples	PFU/ml	Results
Positive Control	>150	Acceptable (valid test)
Negative Control	0	Acceptable (valid test)
Pre-test Bacteriophage Titer	$1.1 \times 10^8$	Acceptable (valid test)
Post Test Bacteriophage Titer	$1.1 \times 10^8$	Acceptable (valid test)
Settle Plate(s)	0	Acceptable (valid test)

Sample Number	Sample Thickness (mils)	Sample Weight (g)	Assay Volume (mls)	Number of Plaques Plate 1	Number of Plaques Plate 2	Assay Titer (PFU/ml)	Test Terminated Due to Liquid Penetration	Pass/Fail
1	10	0.3712	5	0	0	0	No	Pass
2	10	0.3569	5	0	0	0	No	Pass
3	11	0.37	5	0	0	0	No	Pass
Averages	10	0.3660						

**Note:** Sample edges were waxed to prevent wicking.