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Letter Report No. G101336165CRT-001
Project No. G101336165

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Subject: ASTM F1671-13

Dear Saagar Patel,

This letter represents the test results of the plastic bags received on 12/9/13.
Sample log No: CRT1312090903-001

STANDARD USED: ASTM F1671-13, 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: This evaluation was authorized by a signed quote: 500478448.

SPECIMEN DESCRIPTION: The test was performed on specimens identified by the client as: "Product Name: eShield, Part Number: EC2800, Lot Number: 130911."

Per request we tested the corners that include the seam line. Test was conducted at Intertek located in Cortland, NY on 12/26/13.

CONDITIONING: >24 hours at 21°C ± 3 and a relative humidity of 65% ± 5

SPECIMEN EXPOSURE PROCEDURE: A

METHOD OF SAMPLE STERILIZATION: UV-Light (Bio-hood Biosafety Level 2)

TEST PARAMETERS: Assay Volume: 5 mL Compatibility test (Control Assay/Material Assay) 1:1

	PFU/mL		
Positive Control (microporous membrane)	>150	X Acceptable (valid test)	<input type="checkbox"/> Unacceptable (repeat test)
Negative Control (mylar film)	0	X Acceptable (valid test)	<input type="checkbox"/> Unacceptable (repeat test)
Pre-Test Bacteriophage Titer (pfu/mL)	2.0 x 10 ⁸	X Acceptable (valid test)	<input type="checkbox"/> Unacceptable (repeat test)
Post-Test Bacteriophage Titer (pfu/mL)	2.0 x 10 ⁸	X Acceptable (valid test)	<input type="checkbox"/> Unacceptable (repeat test)
Settle Plate(s)	0	X Acceptable (valid test)	<input type="checkbox"/> Unacceptable (repeat test)

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Sample #	Product Name: eShield, Part Number: EC2800, Lot Number: 130911."					
	Thickness, mils	Weight, g	g/m2	# of Plaques		Assay Titer, pfu/ml
				Plate 1	Plate 2	
1	1	0.1815	35.88	0	0	0
2	1	0.1866	36.89	0	0	0
3	1	0.1902	37.60	0	0	0
4	1	0.1799	35.57	0	0	0
5	1	0.1764	34.88	0	0	0
6	1	0.1891	37.39	0	0	0
7	1	0.1813	35.84	0	0	0
8	1	0.1712	33.85	0	0	0
9	1	0.1795	35.49	0	0	0
10	1	0.1801	35.61	0	0	0
11	1	0.1824	36.06	0	0	0
12	1	0.1855	36.67	0	0	0
13	1	0.1845	36.48	0	0	0

Note: "test terminated due to liquid penetration" = fail
(any number other than zero) means number of plaques counted = fail
(0) means no plaques, no virus penetration = pass

Completed by: Adrian Buzea
Title: Microbiologist

Signature: _____

Reviewed by: Jason Allen
Title: Engineer-Reviewer

Signature: _____