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Antifungal Assessment of Four Samples

3511615

Four window shade fabric samples, treated with Ultra-Fresh DW-30, were received from Indiana Coated Fabrics, Inc. on June 28, 2019. At Thomson Research Associates Inc., the samples were tested for resistance to mixed fungal growth using a standard test procedure.

PROCEDURE

Fungal Resistance Test:

ASTM Method G-21-15 “Determining resistance of synthetic polymeric materials to fungi” was used to test the specimen. In brief, the specimen was placed onto a mineral salts agar medium and then inoculated with a mixed fungal spore inoculum consisting of the following species:

Aspergillus brasiliensis also known as *Aspergillus niger* (ATCC #9642)

Aureobasidium pullulans (ATCC #15233)

Chaetomium globosum (ATCC #6205)

Talaromyces pinophilus also known as *Penicillium funiculosum* (ATCC #11797)

Trichoderma virens (ATCC #9645)

The inoculated specimen is then incubated at 28C for 28 days, in order to allow adequate time for mature fungal growth to appear.

RESULTS

Sample Description			ASTM G-21-15			
			7 days	14 days	21 days	28 days
1	Ultra 17oz Wideshade IV	Face	0	0	0	0
		Back	0	0	0	0
2	98" Apago'n Style I	Face	0	0	0	0
		Back	0	0	0	0
3	98" Apago'n Style III	Face	0	0	0	0
		Back	0	0	0	0
4	74" Apago'n Style IV	Face	0	0	0	0
		Back	0	0	0	0

Notes:

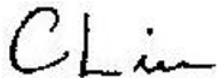
G 21-15

- 0 = specimen remained free of fungal growth.
- 1 = traces of growth on specimen (less than 10%).
- 2 = light fungal growth on specimen (10 to 30%).
- 3 = medium fungal growth on specimen (30 to 60%).
- 4 = heavy fungal growth on specimen (60% to complete coverage)

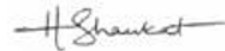
CONCLUSION

In the ASTM G-21-15 Test, both sides of all four samples remained free of mixed fungal growth after 28 days of incubation.

THOMSON RESEARCH ASSOCIATES INC.



Microbiology Manager



Microbiologist