



May 13, 2014

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Antifungal Assessment of One Filter Media Sample

3006131

One filter media sample, treated with Ultra-Fresh DW-56, was received from Sureshield Coatings Company on April 09, 2014. At Thomson Research Associates Inc., the sample was tested for resistance to mixed fungal growth using a standard test procedure.

PROCEDURE

Fungal Resistance Test:

ASTM Method G-21-13 “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 equal numbers of spores of the following species:

Aspergillus niger (ATCC #6275)

Aureobasidium pullulans (ATCC #15233)

Chaetomium globosum (ATCC #6205)

Trichoderma virens (ATCC #9645)

Penicillium funiculosum (ATCC #11797)

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-21-13			
		7 days	14 days	21 days	28 days
1	Fellowes filter media (flat filter) treated with Ultra-Fresh DW-56 from ZFT (China facility)	0	0	0	0

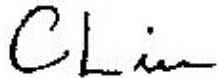
Notes:

G 21-13 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-21-13 Test, the sample remained free from mixed fungal growth after 28 days of incubation.

THOMSON RESEARCH ASSOCIATES INC.



Microbiology Manager



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c: Dave Klein