

LMS Technologies, Inc.
 6423 Cecilia Circle
 Bloomington, MN 55439
 (952) 918-9060, Fax: (952) 918-9061

Date : November 28, 2006
 Filter ID : 04293-11-15-06-2
 Test Type : Fractional Efficiency
 Test Aerosol : KCl, Neutralized
 Δp (" H₂O) @ 180 cfm: 0.092
 Size: 16 x 20 x 2

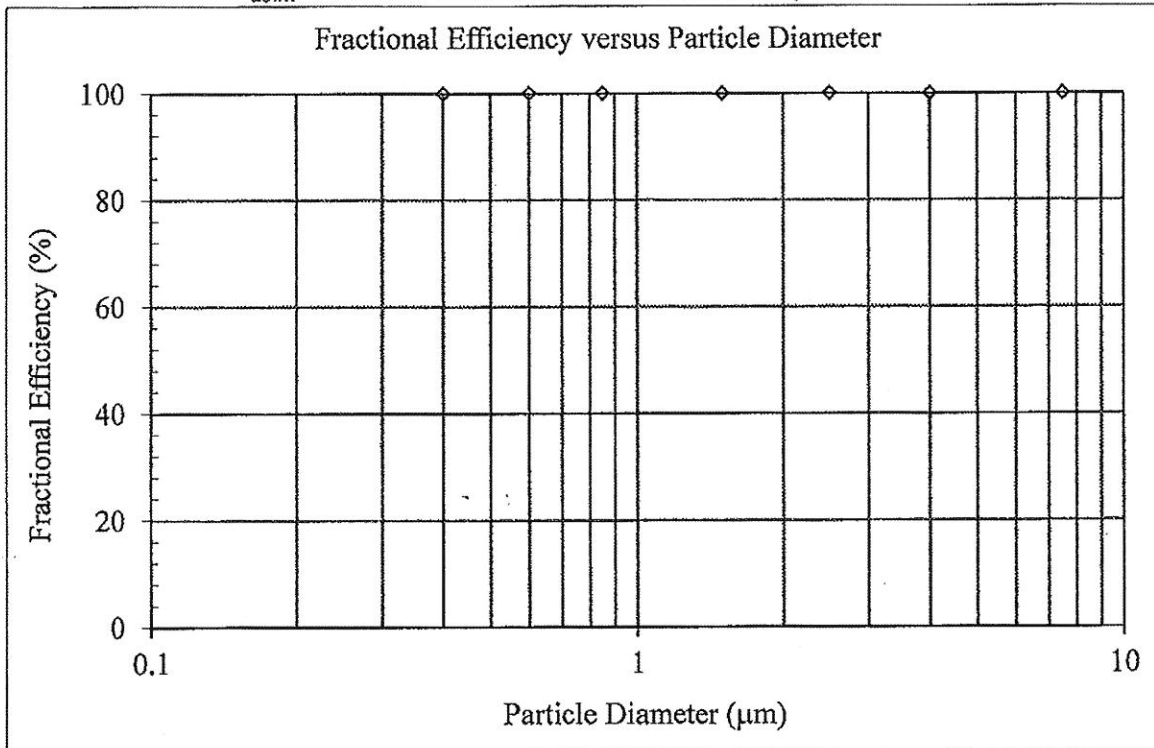
Flow Rate (cfm)	270
Δp (" H ₂ O)	0.139
Size Range (μm)	Fractional Efficiency (%)
0.3-0.5	99.986
0.5-0.7	99.996
0.7-1.0	100.000
1.0-2.0	100.000
2.0-3.0	100.000
3.0-5.0	100.000
5.0-10.0	100.000

$$F_{eff} = \frac{C_{up} - C_{down}}{C_{up}} \times 100\%$$

F_{eff} = Fractional Efficiency

C_{up} = Particle Concentration Upstream of Filter

C_{down} = Particle Concentration Downstream of Filter



TEST SUPERVISOR
 MICK FLOM

ENGINEERING APPROVAL
 K.C. KWOK, PH.D.

ANTIFUNGAL ASSESSMENT REPORT

REPORT NO.: 2309721.A

DATE: May 29, 2007

A.A.T.C.C. TEST METHOD 30 - 2004 - *Aspergillus niger* (ATCC #6275)

SAMPLE(S) DESCRIPTION: Two filter sample, treated with Ultra-Fresh FT-7, were received for assessment of antimicrobial activity.

* The width of the growth-free zone surrounding the test specimen.

** Percentage of specimen free of growth.

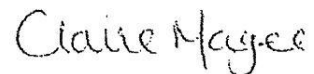
TEST RESULTS:

	SAMPLE DESCRIPTION		GROWTH-FREE ZONE (MM)*	SURFACE INHIBITION (%)**	
1.	V04293 #6	Sample from treated filter	- Sprayed	2	100
		LPH 9915	- Not Sprayed	0	25
2.	V04293 #4	Sample from treated filter	- Sprayed	9	100
		LPH 998	- Not Sprayed	0	0

COMMENTS: The sprayed side of both samples demonstrated good activity against the *A. niger* test organism. The un-sprayed side of both samples supported heavy amounts of fungal growth.



Sonia Poropat, B.Sc.
Microbiology Supervisor



Claire Magee, B.Sc.
Microbiologist

THOMSON RESEARCH ASSOCIATES

95 King Street, East, Toronto, Ontario M5C 1G4 Tel: (416) 955-1881 Fax: (416) 955-1887