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Collected: 05/22/2015
Received: 05/23/2015
Analyzed: 06/01/2015

Proj: 86127158

Test Report: Air-O-Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

Lab Sample Number:	371508013-0001			371508013-0004			371508013-0005		
Client Sample ID:	BH 1			BH 4			BH 5		
Volume (L):	75			75			75		
Sample Location:	Room 203			Barnett Front			Barnett Rear		
Spore Types	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**
Alternaria	1*	10*	0.2	2*	30*	0.5	-	-	-
Ascospores	3	100	2.5	44	1900	31.5	42	1900	25.2
Aspergillus/Penicillium	2	90	2.2	18	800	13.2	19	840	11.1
Basidiospores	-	-	-	28	1200	19.9	24	1100	14.6
Bipolaris++	2	90	2.2	1	40	0.7	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	81	3600	89.6	42	1900	31.5	81	3600	47.7
Curvularia	-	-	-	1	40	0.7	2*	30*	0.4
Epicoccum	3*	40*	1	2	90	1.5	1	40	0.5
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	3*	40*	1	1	40	0.7	3*	40*	0.5
Pithomyces	-	-	-	-	-	-	-	-	-
Rust	1*	10*	0.2	-	-	-	-	-	-
Scopulariopsis	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Torula	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Botrytis	1	40	1	-	-	-	-	-	-
Total Fungi	**97**	**4020**	**100**	**139**	**6040**	**100**	**172**	**7550**	**100**
Hyphal Fragment	2	90	-	-	-	-	1	40	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	1	40	-	1	40	-	2	90	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	1	-	-	1	-

Bipolaris++ = Bipolaris/Drechslera/Exserohilum
Myxomycetes++ = Myxomycetes/Periconia/Smut

No discernable field blank was submitted with this group of samples.

Farbod Nekouei, M.S., Laboratory Director
or Other Approved Signatory

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "*" Denotes particles found at 300X. "-" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA-LAP, LLC--EMLAP Lab 100194

Initial report from: 06/01/2015 14:33:02

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com