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Collected: 10/19/2018
Received: 10/20/2018
Analyzed: 10/20/2018

Project: Indiana Avenue School 18 IAQ - Rooms 10 & 11 / 18-3184

Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	371819158-0001			371819158-0002			371819158-0003		
Client Sample ID:	3184-1019-01			3184-1019-02			3184-1019-03		
Volume (L):	150			150			150		
Sample Location	Classroom #10			Classroom #11			Outside Control Sample (Adj)		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	2	40	0.1
Ascospores	6	100	6.5	5	100	4.8	17	380	0.8
Aspergillus/Penicillium	13	290	18.9	20	440	21	12	270	0.6
Basidiospores	47	1000	65.1	54	1200	57.1	65	1400	2.9
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	2	40	2.6	12	270	12.9	117	2590	5.3
Curvularia	-	-	-	-	-	-	22	490	1
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	1	20	0
Myxomycetes++	5	100	6.5	4	90	4.3	1940	42900	87.8
Pithomyces++	-	-	-	-	-	-	2	40	0.1
Rust	-	-	-	-	-	-	12	270	0.6
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	2*	10*	0
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	1*	7*	0.5	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	1*	7*	0
Torula-like	-	-	-	-	-	-	19	420	0.9
Total Fungi	74	1537	100	95	2100	100	2212	48837	100
Hyphal Fragment	2	40	-	3	70	-	42	930	-
Insect Fragment	-	-	-	-	-	-	13	290	-
Pollen	-	-	-	-	-	-	2	40	-
Analyt. Sensitivity 600x	-	22	-	-	22	-	-	22	-
Analyt. Sensitivity 300x	-	7*	-	-	7*	-	-	7*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	2	-	-	1	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.



Vincent Iuzzolino, M.S., Laboratory Manager
or other approved signatory

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

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: 10/20/2018 09:55:05

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