



EMSL Analytical, Inc.

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EMSL Order: 162223048
Customer ID: ERAT50
Customer PO: 22-13422
Project ID:

Attention: Douglas M. Kohnen, CMC
ERAtch Environmental, Inc.
3508 Wilmington Pike
Kettering, OH 45429

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Collected Date: 10/03/2022
Received Date: 10/04/2022 10:35 AM
Analyzed Date: 10/05/2022

Project: 22-13422 659 DAYTON ROAD

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

Lab Sample Number:	162223048-0001			162223048-0002			162223048-0003		
Client Sample ID:	3478 6720			3478 6725			3478 6717		
Volume (L):	150			75			75		
Sample Location:	OUTSIDE			ROOM #122 - ART RM MIDDLE SCHOOL			ROOM #14 - HIGH SCHOOL		
Spore Types	Raw Count	Count/M³	% of Total	Raw Count	Count/M³	% of Total	Raw Count	Count/M³	% of Total
Alternaria (Ulocladium)	2	40	0.5	-	-	-	-	-	-
Ascospores	7	100	1.3	-	-	-	-	-	-
Aspergillus/Penicillium	22	460	5.8	5	200	23	2	80	42.1
Basidiospores	270	5700	72.5	9	400	46	1	40	21.1
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	62	1300	16.5	4	200	23	1	40	21.1
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	1	20	0.3	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	7	100	1.3	-	-	-	-	-	-
Myxomycetes++	4	80	1	1	40	4.6	2*	30*	15.8
Pithomyces++	1*	7*	0.1	-	-	-	-	-	-
Rust	1	20	0.3	2*	30*	3.4	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	1	20	0.3	-	-	-	-	-	-
Nigrospora	1	20	0.3	-	-	-	-	-	-
Total Fungi	379	7867	100	21	870	100	6	190	100
Hyphal Fragment	11	230	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	21	-	-	42	-	-	42	-
Analyt. Sensitivity 300x	-	7*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	2	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	1	-	-	1	-

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

Kennedie Stansifer, Laboratory Manager
or other Approved Signatory

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

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. 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. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. 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. Skin & Fibrous ratings: 1 (1-25%), 2 (26-50%), 3 (51-75%), 4 (76-100%) of the background particles.
Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN AIHA-LAP, LLC-EMLAP Accredited #157245

Initial report from: 10/05/2022 12:21 PM

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



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

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	162223048-0004 3478 6708 75 ROOM #24 - HIGH SCHOOL			162223048-0005 3478 6719 75 COMPUTER LAB #2 - HIGH SCHOOL			
	Raw Count	Count/M ³	% of Total	Raw Count	Count/M ³	% of Total	
Spore Types							
Alternaria (Ulocladium)	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	2	80	66.7	-
Basidiospores	-	-	-	1	40	33.3	-
Bipolaris++	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-
Total Fungi	-	None Detect	-	3	120	100	-
Hyphal Fragment	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	42	-	-	42	-	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-
Skin Fragments (1-4)	-	2	-	-	2	-	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-
Background (1-5)	-	1	-	-	1	-	-

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

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