



EMSL Analytical, Inc.

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EMSL Order: 372319094
Customer ID: MDGL77
Customer PO:
Project ID:

Attention: Chris Macri
MDG Environmental, LLC
1000 Maplewood Drive
Suite 207
Maple Shade, NJ 08052
Project: 23-227-2 4528 S. White Horse Pike Mullica Twp, NJ (PD)

Phone: (609) 744-0106
Fax:
Collected Date: 11/27/2023
Received Date: 11/27/2023 12:55 PM
Analyzed Date: 11/27/2023

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:	372319094-0001 AOC-01 75 Outdoors			372319094-0002 AOC-02 75 Rear Stairwell			372319094-0003 AOC-03 75 Squad Room		
	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	1*	10*	0.3	-	-	-	-	-	-
Ascospores	2	90	2.3	1	40	2.5	-	-	-
Aspergillus/Penicillium	12	530	13.7	7	300	19	1	40	6.1
Basidiospores	67	3000	77.5	26	1100	69.6	13	570	86.4
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	4	200	5.2	2	90	5.7	1	40	6.1
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	1	40	1	1*	10*	0.6	1*	10*	1.5
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	1	40	2.5	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	87	3870	100	38	1580	100	16	660	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	1	40	-	-	-	-	-	-	-
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)	-	1	-	-	1	-	-	1	-

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.
++ 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.

Skin Fragment and Fibrous Particulate ratings are based on the percent of non-fungal material they represent: 1 (1-25%), 2 (26-50%), 3 (51-75%), or 4 (76-100%). Background ratings are based on the total area covered by non-fungal particles: 1 (1-25%), 2 (26-50%), 3 (51-75%), 4 (76-99%), or 5 (100%; overloaded, prohibiting accurate detection and quantification). High levels of background will obscure spores and other particulates, leading to underestimation. 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. 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. When the information supplied by the customer can affect the validity of the result, it will be noted on the report.

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

Initial report from: 11/28/2023 08:44 AM

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Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	372319094-0004 AOC-04 75 Detectives Office			372319094-0005 AOC-05 75 Hallway			372319094-0006 AOC-06 75 Matron/Records Office			
	Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium	1	40	33.3	1	40	10.5	-	-	-	-
Basidiospores	-	-	-	7	300	78.9	5	200	95.2	-
Bipolaris++	-	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	33.3	1	40	10.5	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-	-
Epicoccum	1	40	33.3	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	1*	10*	4.8	-
Pithomyces++	-	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-	-
Total Fungi	3	120	100	9	380	100	6	210	100	100
Hyphal Fragment	-	-	-	-	-	-	1	40	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-
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	-	-

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Lab Sample Number:	372319094-0007		
Client Sample ID:	AOC-07		
Volume (L):	75		
Sample Location:	Waiting Area P.D. LL.		
Spore Types	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-
Ascospores	3	100	14.5
Aspergillus/Penicillium	3	100	14.5
Basidiospores	7	300	43.5
Bipolaris++	-	-	-
Chaetomium++	-	-	-
Cladosporium	3	100	14.5
Curvularia	-	-	-
Epicoccum	1*	10*	1.4
Fusarium++	-	-	-
Ganoderma	-	-	-
Myxomycetes++	1	40	5.8
Pithomyces++	-	-	-
Rust	-	-	-
Scopulariopsis/Microascus	-	-	-
Stachybotrys/Memnoniella	-	-	-
Unidentifiable Spores	1	40	5.8
Zygomycetes	-	-	-
Total Fungi	19	690	100
Hyphal Fragment	1	40	-
Insect Fragment	-	-	-
Pollen	-	-	-
Analyt. Sensitivity 600x	-	44	-
Analyt. Sensitivity 300x	-	13*	-
Skin Fragments (1-4)	-	1	-
Fibrous Particulate (1-4)	-	1	-
Background (1-5)	-	1	-

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