



EMSL Analytical, Inc.

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EMSL Order: 372316613
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 White Horse Pike Mullica Twp ,NJ (PD)

Phone: (609) 744-0106
Fax:
Collected Date: 10/13/2023
Received Date: 10/13/2023 01:25 PM
Analyzed Date: 10/14/2023

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:	372316613-0001 AOC-01 75 Outdoors			372316613-0002 AOC-02 75 Temp Police Headquarters 1st Fl			372316613-0003 AOC-03 75 Rear Stairwell			
	Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	1	40	0.4	-	-	-	-	-	-	-
Ascospores	13	570	5.7	-	-	-	7	300	10.2	-
Aspergillus/Penicillium	13	570	5.7	9	400	21.1	-	-	-	-
Basidiospores	113(178)	7770	77.2	29	1300	68.4	49	2100	71.7	-
Bipolaris++	-	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-	-
Cladosporium	16	700	7	1	40	2.1	10	440	15	-
Curvularia	-	-	-	1	40	2.1	-	-	-	-
Epicoccum	1	40	0.4	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-	-
Ganoderma	2	90	0.9	-	-	-	-	-	-	-
Myxomycetes++	1*	10*	0.1	1	40	2.1	2	90	3.1	-
Pithomyces++	1	40	0.4	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	1	40	0.4	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-	-
Acremonium++	5	200	2	-	-	-	-	-	-	-
Cercospora++	-	-	-	1	40	2.1	-	-	-	-
Polythrincium	-	-	-	1	40	2.1	-	-	-	-
Total Fungi	232	10070	100	43	1900	100	68	2930	100	
Hyphal Fragment	1	40	-	3	100	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	-
Skin Fragments (1-4)	-	1	-	-	2	-	-	2	-	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	-
Background (1-5)	-	1	-	-	2	-	-	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: 10/16/2023 09:56 AM

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Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	372316613-0004 AOC-04 75 Squad Room			372316613-0005 AOC-05 75 Detectives Office			372316613-0006 AOC-06 75 Hallway			
	Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	-
Ascospores	1	40	1.9	-	-	-	-	-	-	-
Aspergillus/Penicillium	28	1200	57.7	1	40	6.7	-	-	-	-
Basidiospores	16	700	33.7	12	520	86.7	17	740	94.9	-
Bipolaris++	-	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	1.9	-	-	-	1	40	5.1	-
Curvularia	1*	10*	0.5	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-	-
Myxomycetes++	1	40	1.9	1	40	6.7	-	-	-	-
Pithomyces++	1*	10*	0.5	-	-	-	-	-	-	-
Rust	1	40	1.9	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-	-
Acremonium++	-	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-	-
Total Fungi	50	2080	100	14	600	100	18	780	100	
Hyphal Fragment	1	40	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	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.

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Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	372316613-0007 AOC-07 75			372316613-0008 AOC-08 75					
	Matron's/Records Office			Waiting Area L.L.					
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total			
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	3	100	5	-	-	-
Aspergillus/Penicillium	-	-	-	9	400	20.1	-	-	-
Basidiospores	31	1400	88.6	33	1400	70.4	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	3	100	6.3	2	90	4.5	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	3*	40*	2.5	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	1	40	2.5	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Acremonium++	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Total Fungi	38	1580	100	47	1990	100	-	-	-
Hyphal Fragment	-	-	-	1	40	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	-	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	-	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	-	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	-	-
Background (1-5)	-	1	-	-	2	-	-	-	-

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