



EMSL Analytical, Inc.

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EMSL Order: 031825291
Customer ID: ADPN42
Customer PO:
Project ID:

Attn: Johnhn Evans
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Phone: (480) 719-3338
Fax: (888) 987-4437
Collected: 09/13/2018
Received: 09/13/2018
Analyzed: 09/13/2018 - 09/14/2018

Project: NY-JE 12 ELM PR. MOLD PRICE

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

Lab Sample Number:	031825291-0002			031825291-0003			031825291-0004		
Client Sample ID:	8441			2162			2209		
Volume (L):	75			75			75		
Sample Location	OUTDOOR			RM 30			RM 29		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	137	5780	4.4	9	400	24.8	112	4730	6.6
Aspergillus/Penicillium	11	460	0.3	3	100	6.2	18	760	1.1
Basidiospores	2960	125000	94.3	26	1100	68.3	1560	65800	91.2
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	26	1100	0.8	-	-	-	16	680	0.9
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	3	100	0.1	-	-	-	3	100	0.1
Myxomycetes++	6*	80*	0.1	-	-	-	-	-	-
Pithomyces++	-	-	-	1*	10*	0.6	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Cercospora++	1	40	0	-	-	-	-	-	-
Deightoniella	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	1	40	0.1
Pyricularia	-	-	-	-	-	-	-	-	-
Zygophiala/Schizothyrium	-	-	-	-	-	-	1	40	0.1
Total Fungi	3144	132560	100	39	1610	100	1711	72150	100
Hypchal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	42	-	-	42	-	-	42	-
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	-

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

Joseph Reynolds, Lead Technical Manager of Microbiology
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. New York, NY AIHA-LAP, LLC--EMLAP Lab 102581

Initial report from: 09/14/2018 13:56:14

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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:	031825291-0005			031825291-0006			031825291-0007		
Client Sample ID:	2146			2386			2368		
Volume (L):	75			75			75		
Sample Location	RM 28			STAGE			UNDER STAGE		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	4	200	12	47	2000	12.2	29	1200	4.3
Aspergillus/Penicillium	4	200	12	1	40	0.2	195	8230	29.7
Basidiospores	28	1200	71.9	338	14300	87	416	17600	63.5
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	2.4	2	80	0.5	15	630	2.3
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	1*	10*	0.1	-	-	-
Myxomycetes++	2*	30*	1.8	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	1	40	0.1
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Deightoniella	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Zygophiala/Schizothyrium	-	-	-	-	-	-	-	-	-
Total Fungi	39	1670	100	389	16430	100	656	27700	100
Hypthal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	1	40	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	42	-	-	42	-	-	42	-
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	-

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

Joseph Reynolds, Lead Technical Manager of Microbiology
or other approved signatory

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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	031825291-0008			031825291-0009			031825291-0010		
	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
2182 75 ROOM 13				2164 75 ROOM 12			9929 75 RM 14		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	2	90	2.4	-	-	-	5	200	3.2
Aspergillus/Penicillium	7	300	8.1	-	-	-	-	-	-
Basidiospores	74	3200	86.3	96	4200	100	139	6070	96.8
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	1.1	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	1	40	1.1	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	1	40	1.1	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Deightoniella	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Zygophiala/Schizothyrium	-	-	-	-	-	-	-	-	-
Total Fungi	86	3710	100	96	4200	100	144	6270	100
Hypchal Fragment	-	-	-	-	-	-	-	-	-
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)	-	1	-	-	1	-	-	1	-

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

Joseph Reynolds, Lead Technical Manager of Microbiology
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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:	031825291-0011			031825291-0012			031825291-0013		
Client Sample ID:	8907			2134			2137		
Volume (L):	75			75			75		
Sample Location	ROOM 22			ROOM 33			ROOM 23 BACK		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	2	90	0.8	5	200	0.6	8	300	2.1
Aspergillus/Penicillium	4	200	1.9	38	1700	5.2	27	1200	8.4
Basidiospores	235	10300	97.3	704	30700	93.9	292	12700	88.7
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	3	100	0.3	3	100	0.7
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Deightoniella	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	1*	10*	0.1
Polythrincium	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Zygophiala/Schizothyrium	-	-	-	-	-	-	-	-	-
Total Fungi	241	10590	100	750	32700	100	331	14310	100
Hypthal Fragment	-	-	-	1*	10*	-	-	-	-
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)	-	1	-	-	2	-	-	1	-

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

Joseph Reynolds, Lead Technical Manager of Microbiology
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Lab Sample Number: Client Sample ID: Volume (L): Sample Location	031825291-0014			031825291-0015			031825291-0016		
	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
2184 75 ROOM 11				2140 75 ROOM 25			2138 75 ROOM 21		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	6	300	0.5	4	200	1.4	59	2600	1.3
Aspergillus/Penicillium	2	90	0.1	9	400	2.8	-	-	-
Basidiospores	1420	62000	99.2	311	13600	95.5	4420	193000	98.3
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	0.1	-	-	-	11	480	0.2
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	2*	30*	0	1	40	0.3	3	100	0.1
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	1	40	0.1	-	-	-	1	40	0
Cercospora++	-	-	-	-	-	-	-	-	-
Deightonella	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	1	40	0
Polythrincium	-	-	-	-	-	-	1	40	0
Pyricularia	-	-	-	-	-	-	2	90	0
Zygophiala/Schizothyrium	-	-	-	-	-	-	-	-	-
Total Fungi	1432	62500	100	325	14240	100	4498	196390	100
Hypchal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	1*	10*	-	-	-	-
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	-	-	2	-	-	2	-

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

Joseph Reynolds, Lead Technical Manager of Microbiology
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Lab Sample Number:	031825291-0017			031825291-0018			031825291-0019		
Client Sample ID:	2130			2167			2170		
Volume (L):	75			75			75		
Sample Location	ROOM 16			ROOM 15			ROOM 20		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	21	920	2.2	32	1400	1.6	8	300	0.4
Aspergillus/Penicillium	10	440	1	-	-	-	-	-	-
Basidiospores	930	40600	96	1960	85500	98.4	1640	71600	99
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	7	300	0.7	-	-	-	9	400	0.6
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	1	40	0.1	-	-	-	1	40	0.1
Myxomycetes++	-	-	-	-	-	-	1*	10*	0
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Deightoniella	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Zygophiala/Schizothyrium	-	-	-	-	-	-	-	-	-
Total Fungi	969	42300	100	1992	86900	100	1659	72350	100
Hypthal Fragment	-	-	-	-	-	-	-	-	-
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	-	-	2	-	-	1	-

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

Joseph Reynolds

Joseph Reynolds, Lead Technical Manager of Microbiology
or other approved signatory

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Project: NY-JE 12 ELM PR. MOLD PRICE

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

Lab Sample Number:	031825291-0020			031825291-0021			031825291-0022		
Client Sample ID:	2128			8918			2144		
Volume (L):	75			75			75		
Sample Location	ROOM 19			ROOM 17			ROOM 18		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	2	90	0.7	10	440	0.7	1	40	0.3
Aspergillus/Penicillium	3	100	0.7	13	570	1	-	-	-
Basidiospores	303	13200	95.4	1340	58500	98	341	14900	99.7
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	10	440	3.2	4	200	0.3	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	1*	10*	0.1	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	1*	10*	0.1
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Deightoniella	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Zygophiala/Schizothyrium	-	-	-	-	-	-	-	-	-
Total Fungi	319	13840	100	1367	59710	100	343	14950	100
Hypthal 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	-

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

Joseph Reynolds

Joseph Reynolds, Lead Technical Manager of Microbiology
 or other approved signatory

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Project: NY-JE 12 ELM PR. MOLD PRICE

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

Lab Sample Number:	031825291-0023			031825291-0024			031825291-0025		
Client Sample ID:	2147			2133			2178		
Volume (L):	75			75			75		
Sample Location	ROOM #1			ROOM 35			ROOM GYM		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	1	40	0.1
Ascospores	6	300	2.2	1	40	2.1	71	3100	4
Aspergillus/Penicillium	6	300	2.2	3	100	5.2	10	440	0.6
Basidiospores	278	12100	87.7	38	1700	88.1	1680	73300	94
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	25	1100	8	2	90	4.7	15	660	0.8
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	7	300	0.4
Myxomycetes++	-	-	-	-	-	-	1*	10*	0
Pithomyces++	-	-	-	-	-	-	1*	10*	0
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	2	90	0.1
Deightoniella	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Zygomphala/Schizothyrium	-	-	-	-	-	-	-	-	-
Total Fungi	315	13800	100	44	1930	100	1788	77950	100
Hypchal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	2*	30*	-
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)	-	1	-	-	1	-	-	1	-

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

Joseph Reynolds, Lead Technical Manager of Microbiology
or other approved signatory

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Project: NY-JE 12 ELM PR. MOLD PRICE

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

Lab Sample Number:	031825291-0026			031825291-0027			031825291-0028		
Client Sample ID:	2159			8913			2205		
Volume (L):	75			75			75		
Sample Location	ROOM 34			ROOM 32			ROOM 23 FRONT		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	4	200	2.2	1	40	0.8	10	440	3.2
Aspergillus/Penicillium	3	100	1.1	15	660	13.5	7	300	2.2
Basidiospores	194	8470	92.4	89	3900	79.6	297	13000	94.6
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	9	400	4.4	6	300	6.1	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Deightoniella	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Zygomycetes/Schizothyrium	-	-	-	-	-	-	-	-	-
Total Fungi	210	9170	100	111	4900	100	314	13740	100
Hypthal Fragment	-	-	-	-	-	-	-	-	-
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)	-	1	-	-	2	-	-	1	-

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

Joseph Reynolds, Lead Technical Manager of Microbiology
or other approved signatory

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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:	031825291-0029			031825291-0030			031825291-0031		
Client Sample ID:	2135			2136			2175		
Volume (L):	75			75			75		
Sample Location	RM-36			ROOM 27			ROOM WIRE		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	8	300	0.8	5	200	1.5	-	-	-
Aspergillus/Penicillium	4	200	0.6	2	90	0.7	8	300	8.6
Basidiospores	798	34800	97.4	289	12600	97.1	69	3000	85.7
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	9	400	1.1	2	90	0.7	4	200	5.7
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	1	40	0.1	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Deightoniella	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Zygophiala/Schizothyrium	-	-	-	-	-	-	-	-	-
Total Fungi	820	35740	100	298	12980	100	81	3500	100
Hypthal 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	-

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

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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:	031825291-0032			031825291-0033			031825291-0034		
Client Sample ID:	2191			2139			2174		
Volume (L):	75			75			75		
Sample Location	HALL 6			ROOM 10			NURSE		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	200	8730	2.7	20	870	2.3	6	300	5
Aspergillus/Penicillium	3	100	0	1	40	0.1	2	90	1.5
Basidiospores	7040	307000	96	842	36700	95.2	127	5540	91.9
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	77	3400	1.1	21	920	2.4	3	100	1.7
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	2	90	0	-	-	-	-	-	-
Myxomycetes++	-	-	-	1*	10*	0	-	-	-
Pithomyces++	2	90	0	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Cercospora++	3	100	0	-	-	-	-	-	-
Deightoniella	1	40	0	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Zygomycetes/Schizothyrium	3	100	0	-	-	-	-	-	-
Total Fungi	7331	319650	100	885	38540	100	138	6030	100
Hypchal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	1*	10*	-
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	-

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

Joseph Reynolds

Joseph Reynolds, Lead Technical Manager of Microbiology
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--EMLAP Lab 102581

Initial report from: 09/14/2018 13:56:14

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Fax: (888) 987-4437
Collected: 09/13/2018
Received: 09/13/2018
Analyzed: 09/13/2018 - 09/14/2018

Project: NY-JE 12 ELM PR. MOLD PRICE

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

Lab Sample Number:	031825291-0035			031825291-0036			031825291-0037		
Client Sample ID:	2149			2151			2148		
Volume (L):	75			75			75		
Sample Location	OFFICE			DRESSING RM			RM- 31		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	10	440	2.4	4	200	1.8	2	90	1.2
Aspergillus/Penicillium	4	200	1.1	2	90	0.8	-	-	-
Basidiospores	396	17300	95.7	238	10400	92.4	173	7550	98.3
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	3	100	0.6	13	570	5.1	1	40	0.5
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	1	40	0.2	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Deightoniella	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Zygothia/Schizothyrium	-	-	-	-	-	-	-	-	-
Total Fungi	414	18080	100	257	11260	100	176	7680	100
Hypthal Fragment	-	-	-	-	-	-	-	-	-
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)	-	1	-	-	1	-	-	1	-

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

Joseph Reynolds, Lead Technical Manager of Microbiology
or other approved signatory

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Received: 09/13/2018
Analyzed: 09/13/2018 - 09/14/2018

Project: NY-JE 12 ELM PR. MOLD PRICE

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

Lab Sample Number:	031825291-0038		
Client Sample ID:	38		
Volume (L):	75		
Sample Location	ROOM 26		
Spore Types	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-
Ascospores	9	400	1.9
Aspergillus/Penicillium	23	1000	4.8
Basidiospores	436	19000	91.6
Bipolaris++	-	-	-
Chaetomium	-	-	-
Cladosporium	5	200	1
Curvularia	-	-	-
Epicoccum	-	-	-
Fusarium	-	-	-
Ganoderma	3	100	0.5
Myxomycetes++	-	-	-
Pithomyces++	-	-	-
Rust	-	-	-
Scopulariopsis/Microascus	-	-	-
Stachybotrys/Memnoniella	-	-	-
Unidentifiable Spores	1	40	0.2
Cercospora++	-	-	-
Deightoniella	-	-	-
Nigrospora	-	-	-
Polythrincium	-	-	-
Pyricularia	-	-	-
Zygothia/Schizothyrium	-	-	-
Total Fungi	477	20740	100
Hypthal Fragment	-	-	-
Insect Fragment	-	-	-
Pollen	-	-	-
Analyt. Sensitivity 600x	-	44	-
Analyt. Sensitivity 300x	-	13*	-
Skin Fragments (1-4)	-	1	-
Fibrous Particulate (1-4)	-	1	-
Background (1-5)	-	2	-

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

Joseph Reynolds, Lead Technical Manager of Microbiology
or other approved signatory

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Received: 10/01/2018
Analyzed: 10/02/2018

Project: NY-JE-12 Elm Dr PRV 1.0

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

Lab Sample Number:	051805209-0001			051805209-0002			051805209-0003		
Client Sample ID:	78			69			32		
Volume (L):	75			75			75		
Sample Location	Outdoor			20			14		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	1110	46800	87.8	22	930	76.9	1	40	100
Aspergillus/Penicillium	1	40	0.1	1	40	3.3	-	-	-
Basidiospores	96	4100	7.7	5	200	16.5	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	43	1800	3.4	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	10	420	0.8	1	40	3.3	-	-	-
Myxomycetes++	2	80	0.2	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	2	80	0.2	-	-	-	-	-	-
Total Fungi	1264	53320	100	29	1210	100	1	40	100
Hyphal Fragment	2*	30*	-	-	-	-	-	-	-
Insect Fragment	2	80	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	42	-	-	42	-	-	42	-
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	-

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

Chaoyut Sae Lao, Laboratory Manager
or other approved signatory

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Collected: 09/27/2018
Received: 10/01/2018
Analyzed: 10/02/2018

Project: NY-JE-12 Elm Dr PRV 1.0

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

Lab Sample Number:	051805209-0004			051805209-0005			051805209-0006		
Client Sample ID:	08			43			13		
Volume (L):	75			75			75		
Sample Location	13			12			23		
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	50	2	80	100
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-
Basidiospores	-	-	-	1	40	50	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Total Fungi	-	None Detect	-	2	80	100	2	80	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	42	-	-	42	-	-	42	-
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	-

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

Chaoyut Sae Lao, Laboratory Manager
or other approved signatory

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Project: NY-JE-12 Elm Dr PRV 1.0

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

Lab Sample Number:	051805209-0007			051805209-0008			051805209-0009		
Client Sample ID:	93			34			04		
Volume (L):	75			75			75		
Sample Location	25			13			17 & 18		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	2	80	100	2	80	100	5	200	11
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-
Basidiospores	-	-	-	-	-	-	37	1500	82.4
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	2	80	4.4
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	1	40	2.2
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Total Fungi	2	80	100	2	80	100	45	1820	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	42	-	-	42	-	-	41	-
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	-

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Chaoyut Sae Lao, Laboratory Manager
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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:	051805209-0010			051805209-0011			051805209-0012		
Client Sample ID:	96			90			28		
Volume (L):	75			75			75		
Sample Location	15			22			Hall 2		
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	50	2	80	88.9
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-
Basidiospores	-	-	-	1	40	50	1*	10*	11.1
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Total Fungi	-	None Detect	-	2	80	100	3	90	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-
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	-

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

Chaoyut Sae Lao, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ AIHA-LAP, LLC--EMLAP Accredited #167035

Initial report from: 10/02/2018 15:34:53

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Fax: (888) 987-4437
Collected: 09/27/2018
Received: 10/01/2018
Analyzed: 10/02/2018

Project: NY-JE-12 Elm Dr PRV 1.0

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

Lab Sample Number:	051805209-0013			051805209-0014			051805209-0015		
Client Sample ID:	55			99			46		
Volume (L):	75			75			75		
Sample Location	26			19			24		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	3	100	17.2	-	-	-
Aspergillus/Penicillium	-	-	-	2	80	13.8	-	-	-
Basidiospores	-	-	-	9	400	69	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Total Fungi	-	None Detect	-	14	580	100	-	None Detect	-
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-
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	-

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

Chaoyut Sae Lao, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ AIHA-LAP, LLC--EMLAP Accredited #167035

Initial report from: 10/02/2018 15:34:53

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Collected: 09/27/2018
Received: 10/01/2018
Analyzed: 10/02/2018

Project: NY-JE-12 Elm Dr PRV 1.0

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

Lab Sample Number:	051805209-0016			051805209-0017			051805209-0018		
Client Sample ID:	12			26			14		
Volume (L):	75			75			75		
Sample Location	21			Hall 1			16		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	3	100	19.6	1	40	16.7	3	100	25
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-
Basidiospores	10	410	80.4	4	200	83.3	8	300	75
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Total Fungi	13	510	100	5	240	100	11	400	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-
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	-

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

Chaoyut Sae Lao, Laboratory Manager
or other approved signatory

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Initial report from: 10/02/2018 15:34:53

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Fax: (888) 987-4437

Collected: 10/03/2018

Received: 10/04/2018

Analyzed: 10/05/2018

Project: NY-JV-12 ELM DR. PRV 2.0

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

Lab Sample Number:	031827497-0001			031827497-0002			031827497-0003		
Client Sample ID:	5215			5453			5254		
Volume (L):	75			75			75		
Sample Location	OUTDOOR			RM 36			RM 33		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	1	40	0.1	-	-	-	-	-	-
Ascospores	40	1700	4.5	1	40	10.3	-	-	-
Aspergillus/Penicillium	14	610	1.6	-	-	-	-	-	-
Basidiospores	704	30700	81.4	7	300	76.9	1	40	100
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	26	1100	2.9	-	-	-	-	-	-
Curvularia	4	200	0.5	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	4	200	0.5	1	40	10.3	-	-	-
Myxomycetes++	72	3100	8.2	1*	10*	2.6	-	-	-
Pithomyces++	1*	10*	0	-	-	-	-	-	-
Rust	1*	10*	0	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Botrytis	1	40	0.1	-	-	-	-	-	-
Total Fungi	868	37710	100	10	390	100	1	40	100
Hypal Fragment	-	-	-	1	40	-	-	-	-
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)	-	2	-	-	1	-	-	1	-

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

Joseph Reynolds, Lead Technical Manager of Microbiology
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--EMLAP Lab 102581

Initial report from: 10/05/2018 11:01:36

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Attn: John Evans Adaptive Environmental Consultants 367 Windsor Hwy #452 New Windsor, NY 12553	Phone: (239) 634-4557 Fax: (888) 987-4437 Collected: 10/03/2018 Received: 10/04/2018 Analyzed: 10/05/2018
Project: NY-JV-12 ELM DR. PRV 2.0	

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

Lab Sample Number:	031827497-0004			031827497-0005			031827497-0006		
Client Sample ID:	6828			5170			5148		
Volume (L):	75			75			75		
Sample Location:	RM 27			RM 31			RM 28		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	1	40	8.5
Ascospores	1	40	7.4	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-	-	-	-	-
Basidiospores	3	100	18.5	-	-	-	7	300	63.8
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	1*	10*	16.7	-	-	-
Cladosporium	-	-	-	-	-	-	2	90	19.1
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	1	40	66.7	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	9	400	74.1	1*	10*	16.7	1	40	8.5
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-
Total Fungi	13	540	100	3	60	100	11	470	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
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)	-	1	-	-	1	-	-	1	-

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

Joseph Reynolds

Joseph Reynolds, Lead Technical Manager of Microbiology
or other approved signatory

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Project: NY-JV-12 ELM DR. PRV 2.0	

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	031827497-0007			031827497-0008			031827497-0009		
	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
5175 75 RM 35				5157 75 RM 10			5780 75 RM 29		
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	-	-	-	-	-	-	-	-	-
Basidiospores	-	-	-	1	40	100	2	90	100
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	1	40	100	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-
Total Fungi	1	40	100	1	40	100	2	90	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)	-	1	-	-	1	-	-	1	-

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

Joseph Reynolds, Lead Technical Manager of Microbiology
or other approved signatory

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Project: NY-JV-12 ELM DR. PRV 2.0

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

Lab Sample Number:	031827497-0010			031827497-0011			031827497-0012		
Client Sample ID:	5186			5235			5200		
Volume (L):	75			75			75		
Sample Location	RM 34			RM 32			RM 30		
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	44.4	-	-	-
Basidiospores	-	-	-	-	-	-	1	40	50
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	1	40	44.4	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	1	40	50
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	1*	10*	11.1	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-
Total Fungi	-	None Detect	-	3	90	100	2	80	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
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)	-	1	-	-	1	-	-	1	-

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

Joseph Reynolds, Lead Technical Manager of Microbiology
or other approved signatory

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

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--EMLAP Lab 102581

Initial report from: 10/05/2018 11:01:36

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



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EMSL Order: 031827497
Customer ID: ADPN42
Customer PO:
Project ID:

Attn: John Evans Adaptive Environmental Consultants 367 Windsor Hwy #452 New Windsor, NY 12553	Phone: (239) 634-4557 Fax: (888) 987-4437 Collected: 10/03/2018 Received: 10/04/2018 Analyzed: 10/05/2018
Project: NY-JV-12 ELM DR. PRV 2.0	

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	031827497-0013			031827497-0014		
	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
5154 75 HALLWAY 1						
5195 75 HALLWAY 2						
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-
Ascospores	2	90	11.3	-	-	-
Aspergillus/Penicillium	1	40	5	-	-	-
Basidiospores	15	660	82.5	3*	40*	100
Bipolaris++	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-
Myxomycetes++	1*	10*	1.3	-	-	-
Pithomyces++	-	-	-	-	-	-
Rust	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-
Total Fungi	19	800	100	3	40	100
Hyphal Fragment	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-
Pollen	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-
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.

Joseph Reynolds, Lead Technical Manager of Microbiology
or other approved signatory

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Attn: John Evans Adaptive Environmental Consultants 367 Windsor Hwy #452 New Windsor, NY 12553	Phone: (239) 634-4557 Fax: (888) 987-4437 Collected: 10/11/2018 Received: 10/12/2018 Analyzed: 10/12/2018
Project: JV- 12 Elm Dr PRU3.0	

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	121806828-0001			121806828-0002			121806828-0003		
	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
5043 75 Out Door- 1				5046 75 Out Door- 2			5065 75 Rm 6- Utility Rm		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	5*	70*	0.2	-	-	-	-	-	-
Ascospores	166	7080	19.3	79	3400	17.4	8*	100*	18.9
Aspergillus/Penicillium	615	26200	71.4	303	12900	66.2	6	300	56.6
Basidiospores	18	770	2.1	18	770	3.9	2	90	17
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	40	1700	4.6	46	2000	10.3	1*	10*	1.9
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	20	850	2.3	8	300	1.5	2*	30*	5.7
Pithomyces++	1*	10*	0	3	100	0.5	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	2*	30*	0.2	-	-	-
Oidium	-	-	-	-	-	-	-	-	-
Total Fungi	865	36680	100	459	19500	100	19	530	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	43	-	-	43	-	-	43	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	-	-	-	-	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	1	-

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

Michelle Wilson
 Michelle Wilson, Laboratory Manager
 or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Phoenix, AZ AIHA-LAP, LLC--EMLAP Lab 189631

Initial report from: 10/12/2018 15:59:05

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Customer ID: ADPN42
Customer PO:
Project ID:

Attn: John Evans Adaptive Environmental Consultants 367 Windsor Hwy #452 New Windsor, NY 12553	Phone: (239) 634-4557 Fax: (888) 987-4437 Collected: 10/11/2018 Received: 10/12/2018 Analyzed: 10/12/2018
Project: JV- 12 Elm Dr PRU3.0	

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	121806828-0004			121806828-0005			121806828-0006		
	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
5076 75 Rm 6 Bathroom-1				5079 75 Rm 6 Bathroom-2			5432 75 Rm 6 Hallway		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	2*	30*	13.6	7*	90*	19.6
Aspergillus/Penicillium	2*	30*	75	2	90	40.9	8	300	65.2
Basidiospores	1*	10*	25	3	100	45.5	1	40	8.7
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	2*	30*	6.5
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Oidium	-	-	-	-	-	-	-	-	-
Total Fungi	3	40	100	7	220	100	18	460	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	43	-	-	43	-	-	43	-
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	-

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

Michelle Wilson
 Michelle Wilson, Laboratory Manager
 or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Phoenix, AZ AIHA-LAP, LLC--EMLAP Lab 189631

Initial report from: 10/12/2018 15:59:05

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EMSL Order: 121806828
Customer ID: ADPN42
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Project ID:

Attn: John Evans Adaptive Environmental Consultants 367 Windsor Hwy #452 New Windsor, NY 12553	Phone: (239) 634-4557 Fax: (888) 987-4437 Collected: 10/11/2018 Received: 10/12/2018 Analyzed: 10/12/2018
Project: JV- 12 Elm Dr PRU3.0	

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	121806828-0007			121806828-0008			121806828-0009		
	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
5196 75 Rm 5 Stage 1				5060 75 Rm 5 Stage 2			5039 75 Rm 5 Stage Hall		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	5	200	6.9	2	90	4.4	1	40	1.2
Aspergillus/Penicillium	8	300	10.3	15	640	31.5	9	400	11.6
Basidiospores	23	980	33.7	27	1200	59.1	34	1500	43.5
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	32	1400	48.1	2	90	4.4	36	1500	43.5
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	2*	30*	1	1*	10*	0.5	1*	10*	0.3
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Oidium	-	-	-	-	-	-	-	-	-
Total Fungi	70	2910	100	47	2030	100	81	3450	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	1*	10*	-	-	-	-
Analyt. Sensitivity 600x	-	43	-	-	43	-	-	43	-
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	-

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

Michelle Wilson
 Michelle Wilson, Laboratory Manager
 or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Phoenix, AZ AIHA-LAP, LLC--EMLAP Lab 189631

Initial report from: 10/12/2018 15:59:05

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EMSL Order: 121806828
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Attn: John Evans Adaptive Environmental Consultants 367 Windsor Hwy #452 New Windsor, NY 12553	Phone: (239) 634-4557 Fax: (888) 987-4437 Collected: 10/11/2018 Received: 10/12/2018 Analyzed: 10/12/2018
Project: JV- 12 Elm Dr PRU3.0	

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	121806828-0010			121806828-0011			121806828-0012			
	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	
5371 75 Heath- 1				5069 75 Rm 5 1- Multipurpose			5636 75 Rm 5 2- Multipurpose			
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	
Ascospores	3*	40*	18.2	2	90	20.5	1*	10*	2.4	
Aspergillus/Penicillium	3	100	45.5	3	100	22.7	4	200	48.8	
Basidiospores	1	40	18.2	5	200	45.5	3	100	24.4	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium	-	-	-	-	-	-	-	-	-	
Cladosporium	3*	40*	18.2	1	40	9.1	3	100	24.4	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	1*	10*	2.3	-	-	-	
Myxomycetes++	-	-	-	-	-	-	-	-	-	
Pithomyces++	-	-	-	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Botrytis	-	-	-	-	-	-	-	-	-	
Cercospora++	-	-	-	-	-	-	-	-	-	
Oidium	-	-	-	-	-	-	-	-	-	
Total Fungi	10	220	100	12	440	100	11	410	100	
Hyphal Fragment	-	-	-	-	-	-	-	-	-	
Insect Fragment	1*	10*	-	-	-	-	-	-	-	
Pollen	-	-	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	43	-	-	43	-	-	43	-	
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	-	

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

Michelle Wilson
 Michelle Wilson, Laboratory Manager
 or other approved signatory

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Project: JV- 12 Elm Dr PRU3.0	

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	121806828-0013			121806828-0014			121806828-0015		
	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
5034 75 Rm 5 3- Multipurpose				5469 75 Kitchen- Wash Rm			5047 75 Kitchen- Main		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	2*	30*	0.9	65	2800	13.7	6	300	7.3
Aspergillus/Penicillium	18	770	22.8	42	1800	8.8	24	1000	24.3
Basidiospores	58	2500	74.2	309	13200	64.5	44	1900	46.2
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	1.2	61	2600	12.7	21	900	21.9
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	1	40	0.2	-	-	-
Myxomycetes++	2*	30*	0.9	1	40	0.2	1*	10*	0.2
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Oidium	-	-	-	-	-	-	-	-	-
Total Fungi	81	3370	100	479	20480	100	96	4110	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	43	-	-	43	-	-	43	-
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	-

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

Michelle Wilson
 Michelle Wilson, Laboratory Manager
 or other approved signatory

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

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Samples analyzed by EMSL Analytical, Inc. Phoenix, AZ AIHA-LAP, LLC--EMLAP Lab 189631

Initial report from: 10/12/2018 15:59:05

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EMSL Order: 121806828
Customer ID: ADPN42
Customer PO:
Project ID:

Attn: John Evans Adaptive Environmental Consultants 367 Windsor Hwy #452 New Windsor, NY 12553	Phone: (239) 634-4557 Fax: (888) 987-4437 Collected: 10/11/2018 Received: 10/12/2018 Analyzed: 10/12/2018
Project: JV- 12 Elm Dr PRU3.0	

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	121806828-0016			121806828-0017			121806828-0018		
	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
5022 75 Kitchen- Bathroom				5021 75 Main Entrance Hall			5458 75 M.E. Utility Rm (Main)		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	2	90	1.2
Ascospores	15	640	8.9	98	4200	24.8	55	2300	29.4
Aspergillus/Penicillium	17	730	10.1	64	2700	15.9	52	2200	28.1
Basidiospores	136	5800	80.4	188	8020	47.4	64	2700	34.5
Bipolaris++	-	-	-	-	-	-	3	100	1.3
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	46	2000	11.8	6	300	3.8
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	2	90	1.2
Myxomycetes++	-	-	-	1*	10*	0.1	1	40	0.5
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Botrytis	2*	30*	0.4	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Oidium	1*	10*	0.1	-	-	-	-	-	-
Total Fungi	171	7210	100	397	16930	100	185	7820	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	1	40	-	-	-	-
Analyt. Sensitivity 600x	-	43	-	-	43	-	-	43	-
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	-

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

Michelle Wilson
 Michelle Wilson, Laboratory Manager
 or other approved signatory

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

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Project: JV- 12 Elm Dr PRU3.0	

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	121806828-0019			121806828-0020			121806828-0021		
	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
5193 75 Long Hall- 1				5025 75 Long Hall- 2			5499 75 File Rm- 1		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	50	2100	51.5	3	100	4.3	3	100	11
Aspergillus/Penicillium	11	460	11.3	5	200	8.5	3	100	11
Basidiospores	18	760	18.6	16	680	29.1	-	-	-
Bipolaris++	-	-	-	2*	30*	1.3	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	17	720	17.6	29	1200	51.3	15	640	70.3
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	2	90	3.8	-	-	-
Myxomycetes++	1	40	1	1	40	1.7	5*	70*	7.7
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Oidium	-	-	-	-	-	-	-	-	-
Total Fungi	97	4080	100	58	2340	100	26	910	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	42	-	-	43	-	-	43	-
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	-

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

Michelle Wilson
 Michelle Wilson, Laboratory Manager
 or other approved signatory

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Project: JV- 12 Elm Dr PRU3.0	

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	121806828-0022			121806828-0023			121806828-0024		
	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
5435 75 File Rm- 2				5023 75 Heath- 2			5190 75 Office- Small Room		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	11	470	13.4	1	40	10.3	-	-	-
Aspergillus/Penicillium	14	600	17	3	100	25.6	3	100	7.2
Basidiospores	14	600	17	1	40	10.3	8	300	21.7
Bipolaris++	-	-	-	-	-	-	2	90	6.5
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	43	1800	51.1	5	200	51.3	20	850	61.6
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	1	40	1.1	-	-	-	1	40	2.9
Myxomycetes++	1*	10*	0.3	1*	10*	2.6	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Oidium	-	-	-	-	-	-	-	-	-
Total Fungi	84	3520	100	11	390	100	34	1380	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	43	-	-	43	-	-	43	-
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	-

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

Michelle Wilson
 Michelle Wilson, Laboratory Manager
 or other approved signatory

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Project: JV- 12 Elm Dr PRU3.0	

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	121806828-0025			121806828-0026			121806828-0027		
	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
5030 75 Main- Office F-1				5263 75 Main- Office B 2			5465 75 Rm- 4- Principal		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	4	200	8	-	-	-	-	-	-
Aspergillus/Penicillium	12	510	20.5	8	300	44.1	3	100	52.6
Basidiospores	6	300	12	1	40	5.9	1	40	21.1
Bipolaris++	1	40	1.6	1	40	5.9	1	40	21.1
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	32	1400	56.2	8	300	44.1	1*	10*	5.3
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	1	40	1.6	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Oidium	-	-	-	-	-	-	-	-	-
Total Fungi	56	2490	100	18	680	100	6	190	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	1	40	-
Analyt. Sensitivity 600x	-	43	-	-	43	-	-	43	-
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	-

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

Michelle Wilson
 Michelle Wilson, Laboratory Manager
 or other approved signatory

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Project: JV- 12 Elm Dr PRU3.0	

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	121806828-0028			121806828-0029			121806828-0030		
	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
5044 75 Rm 4 Small Room	5040 75 Office- PA- Room	5075 75 W.C. Ramp							
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	7	300	53.6	17	720	41.1	24	1000	31.7
Aspergillus/Penicillium	2	80	14.3	7	300	17.1	12	510	16.2
Basidiospores	3	100	17.9	6	300	17.1	15	630	20
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	7.1	32*	430*	24.6	23	970	30.8
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	1	40	1.3
Myxomycetes++	1	40	7.1	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Botrytis	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Oidium	-	-	-	-	-	-	-	-	-
Total Fungi	14	560	100	62	1750	100	75	3150	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	42	-	-	42	-	-	42	-
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	-

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

Michelle Wilson
 Michelle Wilson, 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. Phoenix, AZ AIHA-LAP, LLC--EMLAP Lab 189631

Initial report from: 10/12/2018 15:59:05

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



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EMSL Order: 121806828

Customer ID: ADPN42

Customer PO:

Project ID:

Attn: John Evans
Adaptive Environmental Consultants
367 Windsor Hwy #452
New Windsor, NY 12553

Phone: (239) 634-4557

Fax: (888) 987-4437

Collected: 10/11/2018

Received: 10/12/2018

Analyzed: 10/12/2018

Project: JV- 12 Elm Dr PRU3.0

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

Lab Sample Number:	121806828-0031		
Client Sample ID:	5052		
Volume (L):	75		
Sample Location	Top Stairs (5+6)		
Spore Types	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	1*	10*	0.5
Ascospores	25	1100	57.3
Aspergillus/Penicillium	8	300	15.6
Basidiospores	7	300	15.6
Bipolaris++	-	-	-
Chaetomium	-	-	-
Cladosporium	4	200	10.4
Curvularia	-	-	-
Epicoccum	-	-	-
Fusarium	-	-	-
Ganoderma	-	-	-
Myxomycetes++	1*	10*	0.5
Pithomyces++	-	-	-
Rust	-	-	-
Scopulariopsis/Microascus	-	-	-
Stachybotrys/Memnoniella	-	-	-
Unidentifiable Spores	-	-	-
Zygomycetes	-	-	-
Botrytis	-	-	-
Cercospora++	-	-	-
Oidium	-	-	-
Total Fungi	46	1920	100
Hyphal Fragment	-	-	-
Insect Fragment	-	-	-
Pollen	-	-	-
Analyt. Sensitivity 600x	-	42	-
Analyt. Sensitivity 300x	-	13*	-
Skin Fragments (1-4)	-	1	-
Fibrous Particulate (1-4)	-	1	-
Background (1-5)	-	1	-

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

Michelle Wilson, 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. Phoenix, AZ AIHA-LAP, LLC--EMLAP Lab 189631

Initial report from: 10/12/2018 15:59:05

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



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<http://www.EMSL.com / manhattanlab@emsl.com>

EMSL Order: 031827286
Customer ID: ADPN42
Customer PO:
Project ID:

Attention: John Evans
Adaptive Environmental Consultants
367 Windsor Hwy #452
New Windsor, NY 12553
Project: NY-JE-12- ELM PH 11B/ NY

Phone: (239) 634-4557
Fax: (888) 987-4437
Received Date: 10/02/2018 8:59 PM
Analysis Date: 10/02/2018
Collected Date: 10/02/2018

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/mm ²	Fibers/cc	Notes
478	CRIT 1	10/02/2018	3170.00	<5.5	100	0.001	<7.01	<0.001	
031827286-0001									
476	CRIT 2	10/02/2018	3170.00	<5.5	100	0.001	<7.01	<0.001	
031827286-0002									
615	CRIT 3	10/02/2018	3170.00	<5.5	100	0.001	<7.01	<0.001	
031827286-0003									
656	AMBIENT	10/02/2018	3170.00	<5.5	100	0.001	<7.01	<0.001	
031827286-0004									
494	OUT	10/02/2018	3170.00	<5.5	100	0.001	<7.01	<0.001	
031827286-0005									
75	BLANK 1	10/02/2018	0.00	<5.5	100		<7.01		Field Blank
031827286-0006									
96	BLANK 2	10/02/2018	0.00	<5.5	100		<7.01		Field Blank
031827286-0007									

The results reported have been blank corrected as applicable.

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.27, 51-100 fibers = 0.16. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.32. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL. The test results contained within this report meet the requirements of NELAP unless otherwise noted. Results have been blank corrected as applicable. Samples received in good condition unless otherwise noted. Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC-IHLAP Accredited #102581, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 10/02/2018 22:05:28



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EMSL Order: 031827286
Customer ID: ADPN42
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Phone: (239) 634-4557
Fax: (888) 987-4437
Received Date: 10/02/2018 8:59 PM
Analysis Date: 10/02/2018
Collected Date: 10/02/2018

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 2, 8/15/94

The samples in this report were submitted to EMSL for analysis by Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 2, 8/15/94. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date:	10/2/2018	Sample Receipt Time:	8:59 pm
Analysis Completed Date:	10/2/2018	Analysis Completed Time:	9:51 pm

Analyst(s):

Adrian Daniell PCM (7)

Samples reviewed and approved by:

James Hall, Laboratory Manager
or Other Approved Signatory

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.27, 51-100 fibers = 0.16. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.32. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL. The test results contained within this report meet the requirements of NELAP unless otherwise noted. Results have been blank corrected as applicable. Samples received in good condition unless otherwise noted. Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC-IHLAP Accredited #102581, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 10/02/2018 22:05:28



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EMSL Order: 031827498
Customer ID: ADPN42
Customer PO:
Project ID:

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Project: NY-JE-12 ELM DR MONITORING

Phone: (239) 634-4557
Fax: (888) 987-4437
Received Date: 10/04/2018 7:27 PM
Analysis Date: 10/04/2018
Collected Date: 10/04/2018

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 2, 8/15/94

Sample	Location	Sample Date	Volume (liters)	Fibers	Fields	LOD (fib/cc)	Fibers/mm ²	Fibers/cc	Notes
0501	EXHAUST	10/04/2018	2700.00	<5.5	100	0.001	<7.01	<0.001	
031827498-0001									
0481	CONTAIN 1	10/04/2018	2700.00	20.5	100	0.001	26.1	0.004	
031827498-0002									
0729	CONTAIN 2	10/04/2018	2700.00	28	100	0.001	35.7	0.005	
031827498-0003									
0647	ADJACENT	10/04/2018	2700.00	12	100	0.001	15.3	0.002	
031827498-0004									
0586	OUTDOOR	10/04/2018	2700.00	<5.5	100	0.001	<7.01	<0.001	
031827498-0005									
0511	BLANK 1	10/04/2018	0.00	<5.5	100		<7.01		Field Blank
031827498-0006									
0490	BLANK 2	10/04/2018	0.00	<5.5	100		<7.01		Field Blank
031827498-0007									

The results reported have been blank corrected as applicable.

Limit of detection is 7 fibers/mm². Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.27, 51-100 fibers = 0.16. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.32. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL. The test results contained within this report meet the requirements of NELAP unless otherwise noted. Results have been blank corrected as applicable. Samples received in good condition unless otherwise noted. Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC-IHLAP Accredited #102581, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 10/04/2018 21:53:52



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EMSL Order: 031827498
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Project ID:

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Phone: (239) 634-4557
Fax: (888) 987-4437
Received Date: 10/04/2018 7:27 PM
Analysis Date: 10/04/2018
Collected Date: 10/04/2018

Test Report: Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 2, 8/15/94

The samples in this report were submitted to EMSL for analysis by Fiber Count by Phase Contrast Microscopy (PCM), NIOSH 7400 Method - A Rules, Revision 3, Issue 2, 8/15/94. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 10/4/2018 Sample Receipt Time: 7:27 pm
Analysis Completed Date: 10/4/2018 Analysis Completed Time: 9:42 pm

Analyst(s):

Adrian Daniell PCM (7)

Samples reviewed and approved by:

James Hall, Laboratory Manager
or Other Approved Signatory

Limit of detection is 7 fibers/mm³. Intra-laboratory Sr values: 5-20 fibers = 0.31, 21-50 fibers = 0.27, 51-100 fibers = 0.16. Inter-laboratory Sr values (Average of EMSL round robin data) = 0.32. The laboratory is not responsible for data reported in fibers/cc, which is dependent on volume collected by non-laboratory personnel. This report relates only to the samples reported above. This report may not be reproduced, except in full, without written approval by EMSL. The test results contained within this report meet the requirements of NELAP unless otherwise noted. Results have been blank corrected as applicable. Samples received in good condition unless otherwise noted. Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC-IHLAP Accredited #102581, NYS ELAP 11506, NJ NY022, CT PH-0170, MA AA000170

Initial report from: 10/04/2018 21:53:52