



EMSL Analytical, Inc.

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

EMSL Order: 242302051
Customer ID: ATCE54
Customer PO: 19-10133-0001
Project ID:


Attention: Doug Rhoads
Atlas Technical
290 Roberts Street
Suite 301
East Hartford, CT 06108
Project: ASNUNTUCK CC-AUDITORIUM IAQ/MOLD

Phone: (860) 549-7495
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Collected Date: 04/24/2023
Received Date: 04/24/2023 09:00 AM
Analyzed Date: 04/24/2023

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

Lab Sample Number:	242302051-0001			242302051-0002			242302051-0003		
Client Sample ID:	1			2			3		
Volume (L):	150			150			150		
Sample Location:	OUTSIDE 1			AUD. BY UPPER SEATS			AUD. BY 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	113	2320	3.7	-	-	-	-	-	-
Aspergillus/Penicillium	3	60	0.1	1	20	1.8	13	270	12.9
Basidiospores	2900	59500	96.1	56	1100	98.2	87	1800	86.1
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	1	20	1
Cladosporium	1	20	0	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	3017	61900	100	57	1120	100	101	2090	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	1*	7*	-	1	20	-	-	-	-
Analyt. Sensitivity 600x	-	21	-	-	21	-	-	21	-
Analyt. Sensitivity 300x	-	7*	-	-	7*	-	-	7*	-
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.


Gloria V. Oriol-Aguilar, Microbiology Director
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. Meriden, CT AIHA LAP, LLC-EMLAP Accredited #165118

Initial report from: 04/24/2023 11:45 AM

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:	242302051-0005		
Client Sample ID:	4		
Volume (L):	150		
Sample Location:	OUTSIDE 2		
Spore Types	Raw Count	Count/m³	% of Total
Alternaria (Ullocladium)	1*	7*	0
Ascospores	151	3100	6.7
Aspergillus/Penicillium	7	100	0.2
Basidiospores	2080	42700	92.9
Bipolaris++	-	-	-
Chaetomium++	-	-	-
Cladosporium	2	40	0.1
Curvularia	-	-	-
Epicoccum	-	-	-
Fusarium++	-	-	-
Ganoderma	-	-	-
Myxomycetes++	-	-	-
Pithomyces++	-	-	-
Rust	-	-	-
Scopulariopsis/Microascus	-	-	-
Stachybotrys/Memnoniella	-	-	-
Unidentifiable Spores	-	-	-
Zygomycetes	-	-	-
Total Fungi	2241	45947	100
Hyphal Fragment	-	-	-
Insect Fragment	-	-	-
Pollen	5*	30*	-
Analyt. Sensitivity 600x	-	21	-
Analyt. Sensitivity 300x	-	7*	-
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.

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