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EMSL Order: 182100495
Customer ID: ELES42
Customer PO: 1040.0012-T10
Project ID:

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Phone: (717) 484-5111
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Collected Date:
Received Date: 02/08/2021 12:45 PM
Analyzed Date: 02/10/2021

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:	182100495-0001 OVES-2/8-01A 45 Basement Near Back Crawlspace			182100495-0002 OVES-2/8-02A 45 Basement Near Side Crawlspace			182100495-0007 OVES-2/8-07A 45 Outside Basement			
	Spore Types	Raw Count	Count/M³	% of Total	Raw Count	Count/M³	% of Total	Raw Count	Count/M³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	-
Ascospores	1	70	0	1	70	0.1	-	-	-	-
Aspergillus/Penicillium	576	40500	16.7	189	13300	13.1	-	-	-	-
Basidiospores	2240	158000	65	693	48700	47.9	1	70	77.8	-
Bipolaris++	-	-	-	-	-	-	-	-	-	-
Chaetomium	1*	20*	0	1	70	0.1	-	-	-	-
Cladosporium	5	400	0.2	5	400	0.4	1*	20*	22.2	-
Curvularia	2*	40*	0	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-	-
Myxomycetes++	1	70	0	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	152	10700	4.4	29	2000	2	-	-	-	-
Stachybotrys/Memnoniella	1*	20*	0	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	1	70	0.1	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-	-
Arthrospores	24	1700	0.7	34	2400	2.4	-	-	-	-
Ascotricha / Dicyma	446	31400	12.9	494	34700	34.1	-	-	-	-
Total Fungi	3449	242920	100	1447	101710	100	2	90	100	-
Hyphal Fragment	3	200	-	4	300	-	-	-	-	-
Insect Fragment	1	70	-	1	70	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	70	-	-	70	-	-	70	-	-
Analyt. Sensitivity 300x	-	22*	-	-	22*	-	-	22*	-	-
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.

Kevin Ream, Laboratory Manager
or other Approved Signatory

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

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. High levels of background particulate can obscure spores and other particulates, leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "" Denotes particles found at 300X. "-" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed.
Samples analyzed by EMSL Analytical, Inc. Plymouth Meeting, PA AIHA-LAP, LLC-EMLAP Accredited #178659

Initial report from: 02/10/2021 11:52 AM

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