



EMSL Analytical, Inc.

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EMSL Order: 371815284

Customer ID: COAS80

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Project ID:

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Collected: 09/04/2018

Received: 09/04/2018

Analyzed: 09/05/2018

Project: SMSS Clear 3

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	371815284-0001			371815284-0002					
	SM1	SM2		SM1	SM2		SM1	SM2	
	75	75		75	75		75	75	
	Ambient			Room 109					
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total			
Alternaria (Ulocladium)	2	90	1.4	-	-	-	-	-	-
Ascospores	18	800	12.1	-	-	-	-	-	-
Aspergillus/Penicillium	15*	200*	3	5	200	83.3	-	-	-
Basidiospores	68	3000	45.5	1	40	16.7	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	45	2000	30.3	-	-	-	-	-	-
Curvularia	4	200	3	-	-	-	-	-	-
Epicoccum	1	40	0.6	-	-	-	-	-	-
Fusarium	1	40	0.6	-	-	-	-	-	-
Ganoderma	2	90	1.4	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	2	90	1.4	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	1	40	0.6	-	-	-	-	-	-
Total Fungi	159	6590	100	6	240	100	-	-	-
Hyphal Fragment	1	40	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	1	40	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	-	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	-	-
Skin Fragments (1-4)	-	1	-	-	2	-	-	-	-
Fibrous Particulate (1-4)	-	1	-	-	2	-	-	-	-
Background (1-5)	-	2	-	-	2	-	-	-	-

++ 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.

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. Cinnaminson, NJ AIHA-LAP, LLC--EMLAP Lab 100194

Initial report from: 09/05/2018 13:43:14

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