



# EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-0262

<http://www.EMSL.com> / [cinmicrolab@emsl.com](mailto:cinmicrolab@emsl.com)

<b>EMSL Order:</b> 371815283
<b>Customer ID:</b> COAS80
<b>Customer PO:</b>
<b>Project ID:</b>

<b>Attn:</b> Marylee Morinelli Coastal Environmental Compliance, LLC PO Box 167 Hammonton, NJ 08037-0167	<b>Phone:</b> (609) 685-9984 <b>Fax:</b> (609) 625-2644 <b>Collected:</b> 09/04/2018 <b>Received:</b> 09/04/2018 <b>Analyzed:</b> 09/05/2018
<b>Project:</b> Puil HS 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	371815283-0001			371815283-0002			371815283-0003			
	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	
HS1 75 Ambiant				HS2 75 Music Room R			HS3 75 C 207			
<b>Spore Types</b>	<b>Raw Count</b>	<b>Count/m³</b>	<b>% of Total</b>	<b>Raw Count</b>	<b>Count/m³</b>	<b>% of Total</b>	<b>Raw Count</b>	<b>Count/m³</b>	<b>% of Total</b>	
Alternaria (Ulocladium)	2*	30*	0.9	-	-	-	-	-	-	
Ascospores	2	90	2.7	-	-	-	-	-	-	
Aspergillus/Penicillium	-	-	-	2	90	21.4	1	40	33.3	
Basidiospores	53	2300	68.9	5	200	47.6	1	40	33.3	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium	-	-	-	-	-	-	-	-	-	
Cladosporium	12	530	15.9	2	90	21.4	1	40	33.3	
Curvularia	1	40	1.2	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	1	40	9.5	-	-	-	
Myxomycetes++	5	200	6	-	-	-	-	-	-	
Pithomyces++	2	90	2.7	-	-	-	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
Cercospora++	3*	40*	1.2	-	-	-	-	-	-	
Polythrincium	1*	10*	0.3	-	-	-	-	-	-	
Sporidesmium-like	1*	10*	0.3	-	-	-	-	-	-	
<b>Total Fungi</b>	<b>82</b>	<b>3340</b>	<b>100</b>	<b>10</b>	<b>420</b>	<b>100</b>	<b>3</b>	<b>120</b>	<b>100</b>	
Hyphal Fragment	-	-	-	-	-	-	-	-	-	
Insect Fragment	-	-	-	-	-	-	-	-	-	
Pollen	2	90	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-	
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	1	-	-	2	-	-	2	-	
Fibrous Particulate (1-4)	-	1	-	-	2	-	-	2	-	
Background (1-5)	-	2	-	-	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 15:18:37

For information on the fungi listed in this report, please visit the Resources section at [www.emsl.com](http://www.emsl.com)



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Lab Sample Number: Client Sample ID: Volume (L): Sample Location	371815283-0004 HS4 75 Dress Room Women's			371815283-0005 HS5 75 Dress Room Men's					
	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total			
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	1	40	50	-	-	-
Basidiospores	-	-	-	1	40	50	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	100	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Polythrincium	-	-	-	-	-	-	-	-	-
Sporidesmium-like	-	-	-	-	-	-	-	-	-
<b>Total Fungi</b>	<b>1</b>	<b>40</b>	<b>100</b>	<b>2</b>	<b>80</b>	<b>100</b>	-	-	-
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	1	40	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	-	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	-	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	-	-
Fibrous Particulate (1-4)	-	2	-	-	1	-	-	-	-
Background (1-5)	-	2	-	-	2	-	-	-	-

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