



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

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

EMSL Order: 371919493

Customer ID: COAS80

Customer PO:

Project ID:

Attn: Marylee Morinelli
Coastal Environmental Compliance, LLC
PO Box 167
Hammonton, NJ 08037-0167

Phone: (609) 685-9984
Fax: (609) 625-2644
Collected: 08/30/2019
Received: 08/31/2019
Analyzed: 09/01/2019

Project: Washington Ave. Clear

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

Lab Sample Number:	371919493-0001			371919493-0002			371919493-0003		
Client Sample ID:	1			2			3		
Volume (L):	75			75			75		
Sample Location:	Ambient			107			209 B/A		
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)	2	90	1	-	-	-	-	-	-
Ascospores	17	740	8.3	1	40	6.3	-	-	-
Aspergillus/Penicillium	6	300	3.3	2	90	14.3	37	1600	71.7
Basidiospores	105	4580	51.1	4	200	31.7	-	-	-
Bipolaris++	1*	10*	0.1	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	71	3100	34.6	6	300	47.6	14	610	27.4
Curvularia	1*	10*	0.1	-	-	-	1*	10*	0.4
Epicoccum	-	-	-	-	-	-	1*	10*	0.4
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	5*	70*	0.8	-	-	-	-	-	-
Pithomyces++	1*	10*	0.1	-	-	-	-	-	-
Rust	1*	10*	0.1	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	1	40	0.4	-	-	-	-	-	-
Total Fungi	211	8960	100	13	630	100	53	2230	100
Hyphal Fragment	7	300	-	-	-	-	1*	10*	-
Insect Fragment	1*	10*	-	-	-	-	-	-	-
Pollen	2	90	-	-	-	-	1*	10*	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	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.

Samples received in good condition 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. 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. 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. Cinnaminson, NJ AIHA-LAP, LLC--EMLAP Lab 100194

Initial report from: 09/03/2019 10:41:44

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



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Project: Washington Ave. Clear

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

Lab Sample Number:	371919493-0004			371919493-0005			371919493-0006		
Client Sample ID:	4			5			6		
Volume (L):	75			75			75		
Sample Location:	McGanahan			106A			123		
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)	-	-	-	-	-	-	1*	10*	1
Ascospores	2	90	18.8	2	90	20.9	1	40	4
Aspergillus/Penicillium	3	100	20.8	4	200	46.5	8	300	30
Basidiospores	2	90	18.8	3	100	23.3	10	440	44
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	3	100	20.8	1	40	9.3	4	200	20
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	2	90	18.8	-	-	-	-	-	-
Pithomyces++	1*	10*	2.1	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	1*	10*	1
Zygomycetes	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Total Fungi	13	480	100	10	430	100	25	1000	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	2	90	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	3	-
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.

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