



# EMSL Analytical, Inc.

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Order ID: 991300188  
Customer ID: DOUG  
Customer PO:  
Project ID:

**Attn:** Client Business Name  
123 STREET  
Address Line 2  
Riverton, NJ 08077

Phone:  
Fax: (800) 555-1212  
Collected:  
Received: 10/31/2013  
Analyzed: 10/31/2013

**Proj:** Sample Report

## Test Report: Air-O-Cell Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

### SPOREReport™

Client ID / Lab Sample Number	Location	Spore Count	Concentration (m <sup>3</sup> )	% of Total	Vol. (L)	Analytical Sensitivity (m <sup>3</sup> )		Skin	Fibrous	Background
						600X	300X	Fragments (1-4)	Particulate (1-4)	(1-5)
<b>Air-1 / 991300188-0001</b>	Outside				150	21	7*	1	1	1
Basidiospores		58	1,200	35						
Cladosporium		44	930	27.2						
Ascospores		36	760	22.2						
Aspergillus/Penicillium		16	340	9.9						
Epicoccum		3	60	1.8						
Alternaria		2	40	1.2						
Curvularia		2	40	1.2						
Bipolaris++		1*	7*	0.2						
Fusarium		1*	7*	0.2						
Ganoderma		1	20	0.6						
Cercospora		1	20	0.6						
<b>Total Fungi</b>		<b>165</b>	<b>3,424</b>	<b>100</b>						
Pollen		7	100	N/A						
<b>Air-2 / 991300188-0002</b>	Kid's Bedroom				150	21	7*	2	1	2
Cladosporium		18	380	37.6						
Basidiospores		11	230	22.8						
Ascospores		8	200	19.8						
Aspergillus/Penicillium		4	80	7.9						
Chaetomium		4	80	7.9						
Stachybotrys		2	40	4						
<b>Total Fungi</b>		<b>47</b>	<b>1,010</b>	<b>100</b>						
<b>Air-3 / 991300188-0003</b>	Kitchen area				150	21	7*	2	2	3
Aspergillus/Penicillium		92	1,900	69.3						
Basidiospores		9	200	7.3						
Cladosporium		9	200	7.3						
Ascospores		6	100	3.6						
Pithomyces		6	100	3.6						
Myxomycetes++		4	80	2.9						
Stachybotrys		4	80	2.9						
Chaetomium		2	40	1.5						
Bipolaris++		1	20	0.7						
Rust		1	20	0.7						
<b>Total Fungi</b>		<b>134</b>	<b>2,740</b>	<b>100</b>						

Bipolaris++ = Bipolaris/Drechslera/Exserohilum  
Myxomycetes++ = Myxomycetes/Periconia/Smut

Doug Cowperthwaite, 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 Test Lab Cinnaminson, NJ Accreditation\*This report was generated in the EMSL Test Lab (99) using representative test data and is solely for the purpose of software validation and

Initial report from: 10/31/2013 12:01:46