



# EMSL Analytical, Inc.

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

**EMSL Order:** 142002938  
**Customer ID:** EMSL14  
**Customer PO:**  
**Project ID:**

**Attention:** Christopher Goulah  
EMSL - BUFFALO  
490 Rowley Rd  
Depew, NY 14043

**Phone:** (716) 651-0030  
**Fax:** (716) 651-0394  
**Collected Date:** 07/23/2020  
**Received Date:** 08/04/2020  
**Analyzed Date:** 08/04/2020

**Project:**

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

Lab Sample Number	Particle Identification	Sample Concentration (counts/m <sup>3</sup> )
142002938-0001	Alternaria (Ulocladium)	None Detected
	Ascospores	80
Client Sample ID	Aspergillus/Penicillium	None Detected
	Basidiospores	80
1	Bipolaris++	None Detected
	Chaetomium	None Detected
Location	Cladosporium	20
	Curvularia	40
Livingroom	Epicoccum	20
	Fusarium	None Detected
Sample Volume (L)	Ganoderma	None Detected
	Myxomycetes++	None Detected
150	Pithomyces++	None Detected
	Rust	None Detected
Sample Type	Scopulariopsis/Microascus	None Detected
	Stachybotrys/Memnoniella	None Detected
Inside	Unidentifiable Spores	None Detected
	Zygomycetes	None Detected
Comments	Triadelphia	20
	<b>Total Fungi</b>	<b>260</b>
Other		
	Hyphal Fragment	None Detected
	Insect Fragment	None Detected
	Pollen	None Detected
	Analytical Sensitivity 300x:	21 counts/cubic meter
	Analytical Sensitivity 600x:	7* counts/cubic meter
	Skin Fragments:	1 1 to 4 (low to high)
	Fibrous Particulate:	1 1 to 4 (low to high)
	Background:	1 1 to 4 (low to high); 5 (overloaded)

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Christopher Goulah, Microbiology 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. 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. 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. Depew, NY A2LA Accredited Environmental Testing Cert #2845.24

Initial report from: 08/04/2020 03:01 PM

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

Test Report SPVER1NB-2.11 Printed: 08/04/2020 03:01 PM



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	Particle Identification	Sample Concentration (counts/m <sup>3</sup> )
<b>Lab Sample Number</b> 142002938-0002	Alternaria (Ulocladium)	None Detected
	Ascospores	40
<b>Client Sample ID</b> 2	Aspergillus/Penicillium	None Detected
	Basidiospores	200
<b>Location</b> Bathroom	Bipolaris++	None Detected
	Chaetomium	None Detected
	Cladosporium	80
	Curvularia	80
<b>Sample Volume (L)</b> 150	Epicoccum	None Detected
	Fusarium	None Detected
	Ganoderma	None Detected
	Myxomycetes++	None Detected
<b>Sample Type</b> Inside	Pithomyces++	None Detected
	Rust	None Detected
	Scopulariopsis/Microascus	None Detected
<b>Comments</b>	Stachybotrys/Memnoniella	40
	Unidentifiable Spores	None Detected
	Zygomycetes	None Detected
	Triadelphia	40
	<b>Total Fungi</b>	480
	Other	
	Hyphal Fragment	None Detected
Insect Fragment	None Detected	
Pollen	None Detected	
	Analytical Sensitivity 300x:	21 counts/cubic meter
	Analytical Sensitivity 600x:	7* counts/cubic meter
	Skin Fragments:	2 1 to 4 (low to high)
	Fibrous Particulate:	1 1 to 4 (low to high)
	Background:	1 1 to 4 (low to high); 5 (overloaded)

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

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	Particle Identification	Sample Concentration (counts/m³)
<b>Lab Sample Number</b>	Alternaria (Ulocladium)	None Detected
	Ascospores	440
142002938-0003	Aspergillus/Penicillium	None Detected
<b>Client Sample ID</b>	Basidiospores	250
	Bipolaris++	None Detected
3	Chaetomium	None Detected
	Cladosporium	230
<b>Location</b> Exterior	Curvularia	None Detected
	Epicoccum	None Detected
	Fusarium	None Detected
	Ganoderma	None Detected
<b>Sample Volume (L)</b> 150	Myxomycetes++	None Detected
	Pithomyces++	None Detected
	Rust	None Detected
	Scopulariopsis/Microascus	None Detected
<b>Sample Type</b> Background	Stachybotrys/Memnoniella	None Detected
	Unidentifiable Spores	None Detected
	Zygomycetes	None Detected
	Triadelphia	None Detected
<b>Comments</b>	<b>Total Fungi</b>	920
	Other	
	Hyphal Fragment	None Detected
	Insect Fragment	None Detected
	Pollen	None Detected
	Analytical Sensitivity 300x:	21 counts/cubic meter
	Analytical Sensitivity 600x:	7* counts/cubic meter
	Skin Fragments:	1 1 to 4 (low to high)
	Fibrous Particulate:	1 1 to 4 (low to high)
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