



# EMSL Analytical, Inc.

1056 Stelton Road Piscataway, NJ 08854  
Tel/Fax: (732) 981-0550 / (732) 981-0551  
<http://www.EMSL.com/piscatawaylab@emsl.com>

EMSL Order: 051804337  
Customer ID: ENV176  
Customer PO:  
Project ID:

**Attn:** Fred Larson  
Environmental Remediation & Management  
20-10 Maple Ave  
Building 35E  
Fair Lawn, NJ 07410  
**Project:** 1035-297/Florence Gaidineer School, 75 S Springfield Ave, Springfield, NJ 07081

**Phone:** (973) 949-3525  
**Fax:** (973) 949-3526  
**Collected:** 08/27/2018  
**Received:** 08/27/2018  
**Analyzed:** 08/28/2018

### 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	051804337-0002 827-A 150 Girls Bathroom, 6th Grade Wing			051804337-0003 827-B 150 Non Complaint Comparative QA/QC RM			051804337-0004 827-C 150 Outdoor Comparative		
	Spore Types	Raw Count	Count/m <sup>3</sup>	% of Total	Raw Count	Count/m <sup>3</sup>	% of Total	Raw Count	Count/m <sup>3</sup>
Alternaria (Ulocladium)	1	20	0.7	-	-	-	1	20	0
Ascospores	45	920	33.8	65	1300	40	5	100	0.2
Aspergillus/Penicillium	-	-	-	14	290	8.9	19	390	0.7
Basidiospores	43	880	32.4	3	60	1.8	15	310	0.6
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	37	760	27.9	68	1400	43.1	26	530	1
Curvularia	1	20	0.7	2	40	1.2	50	1000	1.9
Epicoccum	-	-	-	-	-	-	5	100	0.2
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	2	40	1.5	1	20	0.6	-	-	-
Myxomycetes++	1	20	0.7	5	100	3.1	2420	49600	93.8
Pithomyces++	1	20	0.7	-	-	-	38	780	1.5
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	1	20	0.6	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Fusicladium/Venturia	1	20	0.7	-	-	-	-	-	-
Nigrospora	1	20	0.7	-	-	-	-	-	-
Polythrincium	-	-	-	1	20	0.6	-	-	-
Torula-like	-	-	-	-	-	-	3	60	0.1
<b>Total Fungi</b>	<b>133</b>	<b>2720</b>	<b>100</b>	<b>160</b>	<b>3250</b>	<b>100</b>	<b>2582</b>	<b>52890</b>	<b>100</b>
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	1	20	-
Analyt. Sensitivity 600x	-	21	-	-	21	-	-	21	-
Analyt. Sensitivity 300x	-	7*	-	-	7*	-	-	7*	-
Skin Fragments (1-4)	-	1	-	-	2	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	1	-	-	2	-

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

Chalyut Sae Lao, 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. Piscataway, NJ AIHA-LAP, LLC—EMLAP Accredited #167035

Initial report from: 08/28/2018 14:33:04

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

051804337

Environmental Remediation & Management, Inc.

20-10 Maple Avenue  
Building 35E  
Fair Lawn, NJ 07410

Ph: (973) 949-3525  
Fax: (973) 949-3526


Email: ermuj@aol.com

CLIENT: Springfield Board of Education ADDRESS: 139 Mountain Ave., Springfield, NJ 07081  
PROJECT: Florence Gaidiner School ADDRESS: 75 S. Springfield Ave, Springfield, NJ 07081  
TECH: Freerick Larson SAMPLE DATE: 8/27/18 CALIB. DATE: 8/27/18 PR. No.: 1035-297

**AIR-O-Cell (fungi) MONITORING DATA SHEET**

Sample No.	Sample Location	Time on	Time off	Elapse Time (Min)	Flow Rate (LPM)	Volume Liters	Air-O-Cell Serial #
S27-A	Girls Bathroom, 6 <sup>th</sup> Grade Wing Ground level	1:55	2:05	10	15.0	150	2583-7604
S27-B	Now completed comparison of lab Rm 25A	2:06	2:16	10	15.0	150	2583-7633
S27-C	Outdoor comparison sample courtyard	2:15	2:25	10	15.0	150	2583-4613

**Chain of Custody**

Relinquished By:	Received By:	Date / Time
		

Analysis type:  Total Fungal Spore Count - Air-O-Cell

TAT: 24 Hour TAT requested

Laboratory Submitted To: **EMSL**

Fax: (973) - 949-3526

RECEIVED

Email: ermuj@aol.com

AUG 2 2018

Page 1 of 1

Indoor H 56% outdoor + 61%  
Indoor + 86% outdoor + 81%

EMSL DISCONTAIN



# EMSL Analytical, Inc.

1056 Stelton Road Piscataway, NJ 08854  
Phone/Fax: (732) 981-0550 / (732) 981-0551  
<http://www.EMSL.com> / [piscatawaylab@emsl.com](mailto:piscatawaylab@emsl.com)

Order ID: 051804337  
Customer ID: ENV176  
Customer PO:  
Project ID:

**Attn:** Fred Larson  
Environmental Remediation & Management  
20-10 Maple Ave  
Building 35E  
Fair Lawn, NJ 07410  
**Phone:** (973) 949-3525  
**Fax:** (973) 949-3526  
**Collected:** 08/27/2018  
**Received:** 08/27/2018  
**Analyzed:** 08/28/2018  
**Proj:** 1035-297/Florence Gaidineer School, 75 S Springfield Ave, Springfield, NJ 07081

## Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Swab Samples (EMSL Method MICRO-SOP-200)

<b>Lab Sample Number:</b>	051804337-0001				
<b>Client Sample ID:</b>	827-A				
<b>Sample Location:</b>	Girls Bathroom 6th Grade Wing Ground Level-Ceiling				
<b>Spore Types</b>	<b>Category</b>	-	-	-	-
Alternaria (Ulocladium)	-	-	-	-	-
Ascospores	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-
Basidiospores	-	-	-	-	-
Bipolaris++	-	-	-	-	-
Chaetomium	-	-	-	-	-
Cladosporium	-	-	-	-	-
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	-	-	-	-	-
Pithomyces++	-	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Hyphal Fragment	-	-	-	-	-
Insect Fragment	-	-	-	-	-
Pollen	-	-	-	-	-

Sample Comment: 051804337-0001 None Detected

Category: Count/per area analyzed - Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000  
- Denotes Not Detected.  
Bipolaris++ = Bipolaris/Dreschlera/Exserohilum Myxomycetes++ = Myxomycetes/Periconia/Smut  
\* = Sample contains fruiting structures and/or hyphae associated with the spores.

Chaoyut Sae Lao, 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. 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 of the data contained in this report is the responsibility of the client.

Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ AIHA-LAP, LLC--EMLAP Accredited #167035

Initial report from: 08/28/2018 14:33:04

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

051804337

# Environmental Remediation & Management, Inc.

20-10 Maple Avenue  
Building 35E  
Fair Lawn, NJ 07410

Ph: (973) 949-3525  
Fax: (973) 949-3526


Email: [ermnj@aol.com](mailto:ermnj@aol.com)

CLIENT: Springfield Board of Education ADDRESS: 139 Mountain Ave., Springfield, NJ 07081  
PROJECT: Floroence Gaudineer School ADDRESS: 75 South Springfield Ave, Springfield, NJ 07081  
TECH: Frederick Larson SAMPLE DATE: 8/27/18 PR. No.: 1035-297

## MICROBIAL (Fungi) SAMPLING DATA SHEET

SAMPLE NO.	SAMPLE LOCATION	SAMPLE TYPE ( swab or bulk ) & Description
827-A	Girls Bathroom, 6 <sup>th</sup> Grade Wing ground level- ceiling <i>same location as previously discovered Funge</i>	Swab Surface Sample - No. 6.51bce

### CHAIN OF CUSTODY

Relinquished By:	Received By:	Date & Time
		

ANALYSIS:

M041 Fungi, direct exam

TURNAROUND TIME 24 Hours


FAX RESULTS TO: (973) 636-9144

email to: [envirovision@optonline.net](mailto:envirovision@optonline.net) & [ermnj@aol.com](mailto:ermnj@aol.com)

LABORATORY SUBMITTED TO: EMSL Analytical, Inc.

RECEIVED

PAGE 1 OF 1

AUG 27 2018 3:34 PM  
  
EMSL ANALYTICAL