



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-0262
<http://www.EMSL.com> / cinnmicrolab@emsl.com

EMSL Order: 372411823
Customer ID: MIMC42
Customer PO:
Project ID:

Attention: Jim Dietrich
Michigan Mold Consultants
1226 Clearview Drive
Flushing, MI 48433

Phone: (810) 569-1863
Fax:
Collected Date: 07/19/2024
Received Date: 07/22/2024 10:45 AM
Analyzed Date: 07/23/2024

Project: 10223 Genesee Rd / Mt. Morris

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

Lab Sample Number	Particle Identification	Raw Count†	Count/m³	% of Total	Interpretation Guideline
372411823-0001	Alternaria (Ulocladium)	4	50*	0.3	
	Ascospores	54	2200	12.4	
	Aspergillus/Penicillium++	35	460*	2.6	
Client Sample ID A1	Basidiospores	118(354)	14500	81.5	
	Bipolaris++	-	-	-	
	Chaetomium++	-	-	-	
Location Outdoor	Cladosporium	5	200	1.1	
	Curvularia	-	-	-	
	Epicoccum	-	-	-	
Sample Volume (L) 75	Fusarium++	-	-	-	
	Ganoderma	7	300	1.7	
	Myxomycetes++	1	40	0.2	
Sample Type Background	Pithomyces++	-	-	-	
	Rust	1	40	0.2	
	Scopulariopsis/Microascus	-	-	-	
Comments	Stachybotrys/Memnoniella	-	-	-	
	Unidentifiable Spores	-	-	-	
	Zygomycetes	-	-	-	
	Paecilomyces++	-	-	-	
	Polythrincium	-	-	-	
	Torula++	1	10*	0.1	
	Yeast	-	-	-	
Total Fungi		462	17800	100	
	Hyphal Fragment	2	80	-	
	Insect Fragment	-	-	-	
	Pollen	-	-	-	

Analytical Sensitivity 600x: 41 counts/cubic meter
Analytical Sensitivity 300x *: 13 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)

- Not commonly found growing indoors, spores likely come from outside.
- Spores reported to be able to cause allergies in individuals.
- Potential for mycotoxin production exists with these fungi.
- These fungi are considered water damage indicators.

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

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

EMSL Analytical, Inc. 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 Analytical, Inc. EMSL Analytical, Inc. bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Skin Fragment and Fibrous Particulate ratings are based on the percent of non-fungal material they represent: 1 (1-25%), 2 (26-50%), 3 (51-75%), or 4 (76-100%). Background ratings are based on the total area covered by non-fungal particles: 1 (1-25%), 2 (26-50%), 3 (51-75%), 4 (76-99%), or 5 (100%; overloaded). 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 >= 100 are extrapolated based on the percentage analyzed.

Initial report from: 07/23/2024 01:01 PM

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



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-0262
<http://www.EMSL.com> / cinnmicrolab@emsl.com
















EMSL Order: 372411823
Customer ID: MIMC42
Customer PO:
Project ID:

Attention: Jim Dietrich
Michigan Mold Consultants
1226 Clearview Drive
Flushing, MI 48433

Phone: (810) 569-1863
Fax:
Collected Date: 07/19/2024
Received Date: 07/22/2024 10:45 AM
Analyzed Date: 07/23/2024

Project: 10223 Genesee Rd / Mt. Morris





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

Lab Sample Number	Particle Identification	Raw Count†	Count/m³	% of Total	Interpretation Guideline
372411823-0002	Alternaria (Ulocladium)	3	40*	0.1	Acceptable   
	Ascospores	25	1000	2.6	Acceptable 
	Aspergillus/Penicillium++	189(756)	30900	80.7	ELEVATED 
	Basidiospores	119	4860	12.7	Acceptable 
Client Sample ID A2	Bipolaris++	-	-	-	
	Chaetomium++	-	-	-	
	Cladosporium	31	1300	3.4	Slightly Elevated 
Location Right Pod	Curvularia	-	-	-	
	Epicoccum	-	-	-	
	Fusarium++	-	-	-	
Sample Volume (L) 75	Ganoderma	1	40	0.1	Acceptable  
	Myxomycetes++	2	80	0.2	Slightly Elevated  
	Pithomyces++	1	10*	0	Slightly Elevated  
	Rust	1	40	0.1	Acceptable  
Sample Type Inside	Scopulariopsis/Microascus	-	-	-	
	Stachybotrys/Memnoniella	-	-	-	
	Unidentifiable Spores	-	-	-	
Comments	Zygomycetes	-	-	-	
	Paecilomyces++	-	-	-	
	Polythrincium	-	-	-	
	Torula++	-	-	-	
	Yeast	-	-	-	
	Total Fungi	939	38270	100	Slightly Elevated
	Hyphal Fragment	2	80	-	Acceptable
	Insect Fragment	1	40	-	Slightly Elevated
Pollen	-	-	-		

Analytical Sensitivity 600x: 41 counts/cubic meter
 Analytical Sensitivity 300x *: 13 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)

Acceptable
Slightly Elevated
ELEVATED

Concentration at or below background
 Concentration above background
 Concentration 10x or more above background

 Not commonly found growing indoors, spores likely come from outside.
 Spores reported to be able to cause allergies in individuals.
 Potential for mycotoxin production exists with these fungi.
 These fungi are considered water damage indicators.

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

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

EMSL Analytical, Inc. 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 Analytical, Inc. EMSL Analytical, Inc. bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Skin Fragment and Fibrous Particulate ratings are based on the percent of non-fungal material they represent: 1 (1-25%), 2 (26-50%), 3 (51-75%), or 4 (76-100%). Background ratings are based on the total area covered by non-fungal particles: 1 (1-25%), 2 (26-50%), 3 (51-75%), 4 (76-99%), or 5 (100%; overloaded). 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 >= 100 are extrapolated based on the percentage analyzed.

Initial report from: 07/23/2024 01:01 PM

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



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-0262
<http://www.EMSL.com> / cinnmicrolab@emsl.com














EMSL Order: 372411823
Customer ID: MIMC42
Customer PO:
Project ID:

Attention: Jim Dietrich
Michigan Mold Consultants
1226 Clearview Drive
Flushing, MI 48433

Phone: (810) 569-1863
Fax:
Collected Date: 07/19/2024
Received Date: 07/22/2024 10:45 AM
Analyzed Date: 07/23/2024

Project: 10223 Genesee Rd / Mt. Morris

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

Lab Sample Number	Particle Identification	Raw Count†	Count/m³	% of Total	Interpretation Guideline
372411823-0004	Alternaria (Ulocladium)	2	80	0.3	Slightly Elevated   
	Ascospores	27	1100	3.4	Acceptable
	Aspergillus/Penicillium++	123(295)	12000	37.6	ELEVATED 
	Basidiospores	109(164)	6690	21	Acceptable 
Client Sample ID A4	Bipolaris++	-	-	-	
	Chaetomium++	-	-	-	
	Cladosporium	108(259)	10600	33.2	ELEVATED 
Location Left Pod	Curvularia	-	-	-	
	Epicoccum	-	-	-	
	Fusarium++	-	-	-	
Sample Volume (L) 75	Ganoderma	6	200	0.6	Acceptable  
	Myxomycetes++	2	80	0.3	Slightly Elevated  
	Pithomyces++	-	-	-	
Sample Type Inside	Rust	-	-	-	
	Scopulariopsis/Microascus	-	-	-	
	Stachybotrys/Memnoniella	-	-	-	
Comments	Unidentifiable Spores	7	300	0.9	Slightly Elevated
	Zygomycetes	-	-	-	
	Paecilomyces++	7	300	0.9	Slightly Elevated 
	Polythrincium	1	40	0.1	Slightly Elevated 
	Torula++	1	10*	0	Acceptable 
	Yeast	12	490	1.5	ELEVATED
	Total Fungi	783	31890	100	Slightly Elevated
	Hyphal Fragment	1	40	-	Acceptable
	Insect Fragment	2	80	-	Slightly Elevated
	Pollen	-	-	-	

Analytical Sensitivity 600x: 41 counts/cubic meter
Analytical Sensitivity 300x *: 13 counts/cubic meter

Skin Fragments: 1 1 to 4 (low to high)
Fibrous Particulate: 1 1 to 4 (low to high)
Background: 2 1 to 4 (low to high); 5 (overloaded)

Acceptable
Slightly Elevated
ELEVATED

Concentration at or below background
Concentration above background
Concentration 10x or more above background



Not commonly found growing indoors, spores likely come from outside.
Spores reported to be able to cause allergies in individuals.
Potential for mycotoxin production exists with these fungi.
These fungi are considered water damage indicators.

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

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

EMSL Analytical, Inc. 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 Analytical, Inc. EMSL Analytical, Inc. bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Skin Fragment and Fibrous Particulate ratings are based on the percent of non-fungal material they represent: 1 (1-25%), 2 (26-50%), 3 (51-75%), or 4 (76-100%). Background ratings are based on the total area covered by non-fungal particles: 1 (1-25%), 2 (26-50%), 3 (51-75%), 4 (76-99%), or 5 (100%; overloaded). 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 >= 100 are extrapolated based on the percentage analyzed.

Initial report from: 07/23/2024 01:01 PM

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



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

EMSL Order: 372411823
Customer ID: MIMC42
Customer PO:
Project ID:

Attention: Jim Dietrich
Michigan Mold Consultants
1226 Clearview Drive
Flushing, MI 48433

Project: 10223 Genesee Rd / Mt. Morris

Phone: (810) 569-1863
Fax:
Collected Date: 07/19/2024
Received Date: 07/22/2024 10:45 AM
Analyzed Date: 07/23/2024

Vincent Iuzzolino, M.S., Laboratory Director
or other Approved Signatory

EMSL Analytical, Inc. 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 Analytical, Inc. EMSL Analytical, Inc. bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Skin Fragment and Fibrous Particulate ratings are based on the percent of non-fungal material they represent: 1 (1-25%), 2 (26-50%), 3 (51-75%), or 4 (76-100%). Background ratings are based on the total area covered by non-fungal particles: 1 (1-25%), 2 (26-50%), 3 (51-75%), 4 (76-99%), or 5 (100%; overloaded). 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 >= 100 are extrapolated based on the percentage analyzed.

Initial report from: 07/23/2024 01:01 PM

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