



EMSL Analytical, Inc.

10768 Baltimore Avenue Beltsville, MD 20705
Phone/Fax: (301) 937-5700 / (301) 937-5701
<http://www.EMSL.com> / beltsvillelab@emsl.com

Order ID: 191608858
Customer ID: FFNS42
Customer PO:
Project ID:

Attn: David Fowler
Footers to Finishes, LLC
2031 Grandview Drive
Fairmont, WV 26554
Phone: (304) 692-1113
Fax:
Collected: 08/03/2016
Received: 08/04/2016
Analyzed: 08/04/2016
Proj: [REDACTED]

Spore Trap ASSESSMENT Report™ Air-O-Cell™ Analysis of Fungal Spores & Particulates (Methods EMSL 05-TP-003, ASTM D7391)

Particle Identification	Raw Count	(Count/m ³)	% of Total	Interpretation Guideline	
191608858-0001	Alternaria	3	60	0.1	
Client Sample ID	Ascospores	234	4990	11.9	
	Aspergillus/Penicillium	83	1800	4.3	
1	Basidiospores	1500	32000	76	
	Bipolaris++	-	-	-	
Location	Chaetomium	-	-	-	
	Cladosporium	120	2560	6.1	
OUTDOOR	Curvularia	2	40	0.1	
	Epicoccum	3*	20*	0	
Sample Volume (L)	Fusarium	-	-	-	
	Ganoderma	12	260	0.6	
150	Myxomycetes++	4	90	0.2	
	Pithomyces	3	60	0.1	
Sample Type	Rust	-	-	-	
	Scopulariopsis	-	-	-	
Background	Stachybotrys	-	-	-	
	Torula	-	-	-	
Comments	Ulocladium	-	-	-	
	Cercospora	1	20	0	
	Paecilomyces	4	90	0.2	
	Pestalotia	-	-	-	
	Polythrincium	3	60	0.1	
	Zygophiala	2	40	0.1	
	Total Fungi	1974	42090	100	
	Hyphal Fragment	3	60	-	
	Insect Fragment	3	60	-	
	Pollen	1	20	-	

Analytical Sensitivity 600x: 21 counts/cubic meter
Analytical Sensitivity 300x *: 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)

- 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.

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

Stefanie Schneider, Microbiology Lab Manager
or Other Approved Signatory

Initial report from: 08/04/2016 17:26:40

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. Beltsville, MD AIHA-LAP, LLC --EMLAP Accredited #102891

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



EMSL Analytical, Inc.

10768 Baltimore Avenue Beltsville, MD 20705
Phone/Fax: (301) 937-5700 / (301) 937-5701
<http://www.EMSL.com> / beltsvillelab@emsl.com

Order ID: 191608858
Customer ID: FFNS42
Customer PO:
Project ID:

Attn: David Fowler
Footers to Finishes, LLC
2031 Grandview Drive
Fairmont, WV 26554
Phone: (304) 692-1113
Fax:
Collected: 08/03/2016
Received: 08/04/2016
Analyzed: 08/04/2016
Proj: [REDACTED]

Spore Trap ASSESSMENT Report™ Air-O-Cell™ Analysis of Fungal Spores & Particulates (Methods EMSL 05-TP-003, ASTM D7391)

Particle Identification	Raw Count	(Count/m³)	% of Total	Interpretation Guideline	
191608858-0002	Alternaria	-	-		
	Ascospores	4	90	0	Acceptable
Client Sample ID	Aspergillus/Penicillium	56000	1190000	100	ELEVATED
2	Basidiospores	-	-	-	
	Bipolaris++	1	20	0	Slightly Elevated
Location	Chaetomium	-	-	-	
BASEMENT FAMILY	Cladosporium	2	40	0	Acceptable
	Curvularia	1	20	0	Acceptable
	Epicoccum	1	20	0	Acceptable
Sample Volume (L)	Fusarium	-	-	-	
150	Ganoderma	-	-	-	
	Myxomycetes++	2	40	0	Acceptable
Sample Type	Pithomyces	3	60	0	Acceptable
Inside	Rust	2*	10*	0	Slightly Elevated
Comments	Scopulariopsis	-	-	-	
	Stachybotrys	-	-	-	
	Torula	-	-	-	
	Ulocladium	-	-	-	
	Cercospora	-	-	-	
	Paecilomyces	-	-	-	
	Pestalotia	-	-	-	
	Polythrincium	-	-	-	
	Zygophiala	-	-	-	
	Total Fungi	56016	1190300	100	ELEVATED
	Hyphal Fragment	-	-	-	
	Insect Fragment	-	-	-	
	Pollen	-	-	-	

Analytical Sensitivity 600x: 21 counts/cubic meter
Analytical Sensitivity 300x *: 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)

Acceptable Concentration at or below background
Slightly Elevated Concentration above background
ELEVATED 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.

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

Stefanie Schneider, Microbiology Lab Manager
or Other Approved Signatory

Initial report from: 08/04/2016 17:26:40

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. Beltsville, MD AIHA-LAP, LLC --EMLAP Accredited #102891

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



EMSL Analytical, Inc.

10768 Baltimore Avenue Beltsville, MD 20705
Phone/Fax: (301) 937-5700 / (301) 937-5701
<http://www.EMSL.com> / beltsvillelab@emsl.com

Order ID: 191608858
Customer ID: FFNS42
Customer PO:
Project ID:

Attn: David Fowler
Footers to Finishes, LLC
2031 Grandview Drive
Fairmont, WV 26554
Phone: (304) 692-1113
Fax:
Collected: 08/03/2016
Received: 08/04/2016
Analyzed: 08/04/2016
Proj: [REDACTED]

Spore Trap ASSESSMENT Report™ Air-O-Cell™ Analysis of Fungal Spores & Particulates (Methods EMSL 05-TP-003, ASTM D7391)

Particle Identification	Raw Count	(Count/m³)	% of Total	Interpretation Guideline	
191608858-0003	Alternaria	-	-		
Client Sample ID	Ascospores	7	100	0.7	Acceptable
	Aspergillus/Penicillium	585	12500	91.3	Slightly Elevated
3	Basidiospores	3	60	0.4	Acceptable
	Bipolaris++	-	-	-	
Location	Chaetomium	-	-	-	
	HALLWAY	Cladosporium	39	830	6.1
Sample Volume (L)	Curvularia	-	-	-	
	150	Epicoccum	1	20	0.1
Sample Type	Fusarium	-	-	-	
	Inside	Ganoderma	-	-	-
Comments	Myxomycetes++	3	60	0.4	Acceptable
		Pithomyces	4	90	0.7
	Rust	1	20	0.1	Slightly Elevated
	Scopulariopsis	-	-	-	
	Stachybotrys	-	-	-	
	Torula	2*	10*	0.1	Slightly Elevated
	Ulocladium	-	-	-	
	Cercospora	-	-	-	
	Paecilomyces	-	-	-	
	Pestalotia	1*	7*	0.1	Slightly Elevated
	Polythrincium	-	-	-	
	Zygophiala	-	-	-	
	Total Fungi	646	13697	100	Acceptable
	Hyphal Fragment	4	90	-	Slightly Elevated
	Insect Fragment	1	20	-	Acceptable
	Pollen	3	60	-	Slightly Elevated

Analytical Sensitivity 600x: 21 counts/cubic meter
Analytical Sensitivity 300x *: 7* counts/cubic meter

Skin Fragments: 3 1 to 4 (low to high)
Fibrous Particulate: 1 1 to 4 (low to high)
Background: 3 1 to 4 (low to high); 5 (overloaded)

Acceptable Concentration at or below background
Slightly Elevated Concentration above background
ELEVATED 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.

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

Stefanie Schneider, Microbiology Lab Manager
or Other Approved Signatory

Initial report from: 08/04/2016 17:26:40

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. Beltsville, MD AIHA-LAP, LLC --EMLAP Accredited #102891

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