



Direct Exam: Spore Trap Analysis

SAI Method B-SOP-002

Client:

Hubert Lowe Home Insp
4 Deerwood Cir
Oak Island, NC 28465

Attn: Hubert Lowe

Lab ID: 701076

Received: 2/21/2007

Project ID: 2820 Sea Aire Dr Supply NC

Reported: 2/23/2007



Laboratory ID # 173190

Sample ID	140739	140727	140736	140735			
Sample Description	Crawl	OUT	MBA	RM 5			
Volume (liters)	45	45	45	45			
Analytical Sensitivity	131	131	131	131			
IDENTIFICATION	counts/m ³	counts/m ³	counts/m ³	counts/m ³			
Acremonium-like	>39184						
Ascospores	26384	914	653	392			
Aspergillus/Penicillium	>39184	522	392	261			
Arthrinium							
Basidiospores	2090						
Cercospora	261						
Cladosporium	>39184	653	131	522			
Curvularia							
Drechslera/Bipolaris	131						
Epicoccum		131					
Myxomycete/Smut-like	131			131			
Nigrospora	392						
Pithomyces							
Rust							
Scopulariopsis							
Spegazzinia	261						
Stachybotrys							
Stemphylium							
Tetraploa							
Torula	261						
Ulocladium							
Unknown/Other	261	261					
TOTAL	>147722	2482	1176	1306			
Fibers	-	131	-	-			
Hyphal fragments	8882	131	131	261			
Insect parts	653	-	-	-			
Pollen	-	-	-	-			
DEBRIS BKGRD	80-100%	0-20%	0-20%	0-20%			
SKIN CELLS BKGRD	0-20%	0-20%	0-20%	0-20%			
COMMENT:							

Handwritten signature

EMSL Analytical, Inc.

1101-A Aviation Parkway, Morrisville, NC 27560

Phone: (919) 465-3900 Fax: 9194653950 Email: raleighlab@emsl.com

Attn: **Lora Durak**
Mira Mold
PO Box 52376
Durham, NC 27717

Customer ID: MIRA22
 Customer PO:
 EMSL Order: 290503309
 EMSL Proj:
 Received: 10/12/2005 8:49 AM
 Analysis Date: 10/12/2005
 Report Date: 10/12/2005

Project: **Ross**

Fax: Phone: (919) 949-5224

**Air-O-Cell(™) Cassette Analysis of Fungal Spores & Other Airborne Particulates by
 Optical Microscopy (EMSL Method M001)**

Lab Sample Number:	290503309-0001	290503309-0002	290503309-0003	290503309-0004	290503309-0005
Client Sample ID:	1	2	3	4	5
Volume:	150	150	150	150	150
Sample Location:	Family Rm	Kitchen/ Dining	Computer Rm	Master Bed/ Bath	Outside
Spore Types	Count/m ³	Count/m ³	Count/m ³	Count/m ³	Count/m ³
Agroclybe/Coprinus	-	-	-	-	84
Alternaria	-	-	-	-	-
Arthrinium	-	-	-	-	-
Arthrospores	-	-	-	-	-
Ascospores	42	21	-	21	2440
Aspergillus/Penicillium	>81900	44100	4790	38900	315
Basidiospores	-	21	-	42	2100
Bipolaris	-	-	-	-	-
Cercospora	-	-	-	-	84
Chaetomium	-	-	-	-	-
Cladosporium	-	-	21	-	2670
Curvularia	-	-	-	-	21
Epicoccum	-	21	-	-	21
Fusarium	-	-	-	-	-
Ganoderma	Present	-	-	-	105
Myxomycete	-	21	-	-	147
Nigrospora	-	21	-	-	21
Paecilomyces	-	-	-	-	-
Periconia	-	-	-	-	21
Peronospora	Present	-	-	-	-
Pestalotia	21	-	-	Present	-
Pithomyces/Ulocladium	Present	-	-	-	-
Pythium	-	-	-	-	21
Rust	-	-	-	-	-
Scopulariopsis	-	-	-	-	-
Stachybotrys	-	-	-	-	-
Torula	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	21	-	-
Total Fungi	>82000	44200	4830	39000	8050
Fibrous Particulate	42	-	-	21	-
Hyphal Fragment	21	63	-	21	-
Insect Fragment	Present	21	-	-	-
Pollen	-	-	-	-	-
Analytical Sensitivity	21	21	21	21	21
Skin Fragments (1-4)	2	3	3	3	1
Background (1-5)	2	2	1	1	1

No discernable field blank was submitted with this group of samples

High Levels of background particulate can obscure mold spores and other airborne particulates leading to underestimation.

Background levels of 5 indicate an overloading of background particulates, prohibiting accurate fungal spore detection and quantification.

The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment.

Present= Spores found during an additional scan at lower magnification.

Lab participates in AIHA EMPAT #173741



Alan Goldstein, Ph.D.
 or other approved signatory



EMSL Analytical, Inc.

1101-A Aviation Parkway Morrisville, NC 27560

Phone: (919) 465-3900 Fax: (919) 465-3900 Web: Email: raleighlab@emsl.com

Attn: Dave Wiesing
Comprehensive Home Inspection
4021 Lake Springs Court
Raleigh, NC 27613

EMSL Order: 291001280
Customer ID: COMP22
Collected: 3/05/2010
Received: 3/05/2010
Analyzed: 3/05/2010

Proj: 1402 Woodcrest Drive, Clayton, NC

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Swab Samples (EMSL Method: M041)

Lab Sample Number:	291001280-0005	291001280-0006			
Client Sample ID:					
Sample Location:	Crawlspace	Attic Rafters			
Spore Types	Category	Category			
Agrocybe/Coprinus	-	-			
Alternaria	-	-			
Ascospores	-	Low			
Aspergillus/Penicillium	-	-			
Basidiospores	-	-			
Bipolaris	-	-			
Chaetomium	-	-			
Cladosporium	Low	-			
Curvularia	-	-			
Epicoccum	-	-			
Fusarium	-	-			
Ganoderma	-	-			
Myxomycete	-	-			
Paecilomyces	-	-			
Rust	-	-			
Scopulariopsis	-	-			
Stachybotrys	-	-			
Torula	-	-			
Ulocladium	-	-			
Unidentifiable Spores	-	-			
Zygomycetes	-	-			
Microsphaeropsis	-	*High*			
Penicillium	*High*	-			
Fibrous Particulate	-	-			
Hyphal Fragment	Low	Low			
Insect Fragment	-	-			
Pollen	-	-			

Category: Count/per area analyzed

Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

No discernable field blank was submitted with this group of samples.

* Sample contains fruiting structures and/or hyphae associated with the spores.

Alan Goldstein

Alan Goldstein, Ph.D., Laboratory Manager
or Other Approved Signatory

Samples analyzed by EMSL Analytical, Inc. 1101-A Aviation Parkway, Morrisville NC AIHA-LAP, LLC--EMLAP Lab 173741

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

**EMSL Analytical, Inc.**

1101-A Aviation Parkway Morrisville, NC 27560

Phone (919) 465-3900 Fax (919) 465-3900 Web Email: raleighlab@emsl.com

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Comprehensive Home Inspection
4021 Lake Springs Court
Raleigh, NC 27613

EMSL Order: 291001280
Customer ID: COMP22
Collected: 3/05/2010
Received: 3/05/2010
Analyzed: 3/05/2010

Proj: 1402 Woodcrest Drive, Clayton, NC

Test Report: Air-O - Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (EMSL Method 05-TP-003)

	Particle Identification	Sample Concentration (counts/m³)	Background Concentration (counts/m³)	Background Corrected (counts/m³)
Lab Sample Number 291001280-0002	Alternaria	None Detected	21	Less than Background
	Ascospores	211	21	190
	Aspergillus/Penicillium	422	21	401
	Basidiospores	190	338	Less than Background
Client Sample ID 15480324	Bipolaris++	21	None Detected	21
	Chaetomium	21	None Detected	21
	Cladosporium	317	1010	Less than Background
	Curvularia	63	None Detected	63
Location Living Room	Epicoccum	253	84	169
	Fusarium	None Detected	None Detected	Equal To Background
	Ganoderma	21	None Detected	21
	Myxomycetes++	106	106	Equal To Background
Sample Volume (L) 150	Nigrospora	None Detected	None Detected	Equal To Background
	Pestalotia	42	None Detected	42
	Pithomyces	21	None Detected	21
	Rust	21	None Detected	21
Sample Type Inside	Scopulariopsis	None Detected	None Detected	Equal To Background
	Spegazzinia	21	21	Equal To Background
	Stachybotrys	None Detected	None Detected	Equal To Background
	Torula	None Detected	None Detected	Equal To Background
Comments	Ulocladium	None Detected	None Detected	Equal To Background
	Unidentifiable Spores	None Detected	None Detected	Equal To Background
	Zygomycetes	None Detected	None Detected	Equal To Background
	Total Fungi	1730	1620	110
	Hyphal Fragment	528	63	465
	Insect Fragment	21	None Detected	21
	Pollen	63	63	Equal To Background
	Analytical Sensitivity 600x:	21	counts/cubic meter	
	Analytical Sensitivity 300x *:	7*	counts/cubic meter	
	Skin Fragments:	4	1 to 4 (low to high)	
	Fibrous Particulate:	2	1 to 4 (low to high)	
	Background:	3	1 to 4 (low to high); 5 (overloaded)	

Bipolaris++ = Bipolaris/Dreschlera/Exserohilum

Myxomycetes++ = Myxomycetes/Periconia/Smut

No discernable field blank was submitted with this group of samples.

Samples analyzed by EMSL Analytical, Inc. 1101-A Aviation Parkway Morrisville NC 27560-4144-EMSL Lab 173741

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. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "++"

Denotes particles found at 300X. 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.

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or other Approved Signatory