

**EMSL Analytical, Inc.**

2001 East 52nd St. Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Web: <http://www.emsl.com> Email: [indianapolislab@emsl.com](mailto:indianapolislab@emsl.com)

**Attn:** Lars Knobloch  
 Nordic Home Inspection  
 1614 28th Avenue South  
 Fargo, ND 58103

EMSL Order: 161113105  
 Customer ID: NORD25  
 Collected: 7/28/2011  
 Received: 8/01/2011  
 Analyzed: 8/02/2011

**Proj:** 482**Test Report: Air-O - Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (EMSL Method 05-TP-003)**

Lab Sample Number:	161113105-0001			161113105-0002			161113105-0003		
Client Sample ID:	16876989			16876944			16877032		
Volume (L):	150			150			150		
Sample Location:	Exterior			Living Room			Mud Room		
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>	% of Total
Alternaria	49	1030	8.6	12	253	0.4	41	865	1.1
Ascospores	30	633	5.3	13	274	0.5	21	443	0.6
Aspergillus/Penicillium	6	127	1.1	2470	52100	88.5	3320	70100	91
Basidiospores	12	253	2.1	4	84	0.1	3	63	0.1
Bipolaris++	1	21	0.2	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	451	9520	79.3	286	6040	10.3	230	4850	6.3
Curvularia	3	63	0.5	1	21	0	5	106	0.1
Epicoccum	3	63	0.5	1*	7*	0	2	42	0.1
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	1	21	0
Myxomycetes++	7	148	1.2	6	127	0.2	13	274	0.4
Pithomyces	1	21	0.2	-	-	-	5	106	0.1
Rust	2	42	0.4	-	-	-	-	-	-
Scopulariopsis	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	1*	7*	0	5	106	0.1
Torula	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Cercospora	1	21	0.2	-	-	-	1	21	0
Nigrospora	-	-	-	-	-	-	1*	7*	0
Oidium	1	21	0.2	-	-	-	-	-	-
<b>Total Fungi</b>	<b>567</b>	<b>12000</b>	<b>100</b>	<b>2794</b>	<b>58900</b>	<b>100</b>	<b>3648</b>	<b>77000</b>	<b>100</b>
Hyphal Fragment	22	464	-	5	106	-	10	211	-
Insect Fragment	2	42	-	9	190	-	12	253	-
Pollen	4	84	-	1	21	-	2	42	-
Analyt. Sensitivity 600x	-	21	-	-	21	-	-	21	-
Analyt. Sensitivity 300x	-	7*	-	-	7*	-	-	7*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	2	-	-	2	-
Background (1-5)	-	3	-	-	4	-	-	4	-

Initial report from: 08/02/2011 15:33:41

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. Indianapolis, IN AIHA-LAP, LLC-EMLAP 157245

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 300 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.

Andrea Messner, Microbiology Lab Manager  
 or Other Approved Signatory

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