

Mountain Environmentals, LLC  
Mr. Mark Brown  
PO Box 3283  
Cashiers, NC 28717 USA  
(828) 507-2208



**Eurofins EMLab P&K**

[www.MoldREPORT.com](http://www.MoldREPORT.com)

[info@MoldREPORT.com](mailto:info@MoldREPORT.com)

Approved by:

Dates of Analysis:

MoldReport Spore trap: 04-01-2020 to 04-01-2020

Technical Manager  
Francina Thadigiri

Service SOPs: MoldReport Spore trap (EM-MY-S-1038)  
AIHA-LAP, LLC accredited service, Lab ID #179623

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All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received. Sample air volume is supplied by the client.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

Date of Receipt: 03-31-2020

Date of Report: 04-02-2020

**MoldREPORT**

Eurofins EMLab P &amp; K

3929 Old Lee Highway, Suite 91C, Fairfax, VA 22030

(866) 871-1984 Fax (856) 334-1040

**Laboratory Results****MoldREPORT: Spore Trap Analysis**

Location:	30219099: Outside Control		30219076: Lobby Area		30219127: Manager/Admin Office - Main Level - Left	
Comments (see below)	A		B		C	
Lab ID-Version‡:	11365323-1		11365324-1		11365325-1	
Analysis Date:	04/01/2020		04/01/2020		04/01/2020	
Spore types detected:	raw ct.	per m3	raw ct.	per m3	raw ct.	per m3
Aureobasidium	-	-	-	-	-	-
Basidiospores	249	13,000	31	1,700	49	2,600
Chaetomium	-	-	-	-	-	-
Cladosporium	8	430	2	110	5	270
Fusarium	-	-	-	-	-	-
Penicillium/Aspergillus types	6	120	151	6,100	340	14,000
Stachybotrys	-	-	-	-	-	-
Trichoderma	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-
Others	29	1,500	3	160	15	800
§ Total:		15,000		8,000		18,000
Additional Information:						
Hyphal fragments	160		110		160	
Skin cells	13 - 67		80 - 4,000		80 - 4,000	
Pollen	110		< 13		53	
Background debris (1-4)†	2		2		2	
Limit of detection	13		13		13	
Sample volume (liters)	75		75		75	

**Comments:** A) 5 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump. B) 50 of the raw count *Penicillium/Aspergillus* type spores were present as a clump of 34 spores and a clump of 16 spores. C) 107 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump.

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**Laboratory Results****MoldREPORT: Spore Trap Analysis**

Location:	30219111: Dining Room - Left		30219103: Dining Room - Right		30219087: Bar Area	
Comments (see below)	D		E		None	
Lab ID-Version‡:	11365326-1		11365327-1		11365328-1	
Analysis Date:	04/01/2020		04/01/2020		04/01/2020	
Spore types detected:	raw ct.	per m3	raw ct.	per m3	raw ct.	per m3
Aureobasidium	-	-	-	-	-	-
Basidiospores	42	2,200	60	3,200	163	8,700
Chaetomium	-	-	-	-	-	-
Cladosporium	1	53	28	810	3	160
Fusarium	-	-	-	-	-	-
Penicillium/Aspergillus types	241	11,000	162	7,900	62	3,300
Stachybotrys	-	-	-	-	-	-
Trichoderma	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-
Others	5	270	10	530	14	750
§ Total:		14,000		12,000		13,000
Additional Information:						
Hyphal fragments	110		160		53	
Skin cells	80 - 4,000		80 - 4,000		13 - 67	
Pollen	< 13		< 13		< 13	
Background debris (1-4)†	2		2		2	
Limit of detection	13		13		13	
Sample volume (liters)	75		75		75	

**Comments:** D) 37 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump. E) 17 of the raw count *Cladosporium* spores were present as a single clump. 18 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump.

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**Laboratory Results****MoldREPORT: Spore Trap Analysis**

Location:	30219089: Kitchen		30219235: Basement / Crawl Space		30219080: Guest Room 201	
Comments (see below)	F		None		None	
Lab ID-Version‡:	11365329-1		11365330-1		11365331-1	
Analysis Date:	04/01/2020		04/01/2020		04/01/2020	
Spore types detected:	raw ct.	per m3	raw ct.	per m3	raw ct.	per m3
Aureobasidium	-	-	-	-	-	-
Basidiospores	113	6,000	84	4,500	45	2,400
Chaetomium	-	-	-	-	-	-
Cladosporium	4	210	1	53	5	270
Fusarium	-	-	-	-	-	-
Penicillium/Aspergillus types	185	7,700	59	3,100	39	2,100
Stachybotrys	-	-	-	-	-	-
Trichoderma	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-
Others	15	800	4	210	4	210
§ Total:		15,000		7,900		5,000
Additional Information:						
Hyphal fragments	53		160		210	
Skin cells	13 - 67		13 - 67		13 - 67	
Pollen	< 13		< 13		< 13	
Background debris (1-4)†	2		2		3	
Limit of detection	13		13		13	
Sample volume (liters)	75		75		75	

**Comments:** F) 53 of the raw count *Penicillium/Aspergillus* type spores were present as a clump of 29 spores and a clump of 24 spores.

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**Laboratory Results****MoldREPORT: Spore Trap Analysis**

Location:	30219097: Guest Rooms 205 & 207		30219134: Guest Rooms 210 & 212		30219117: Meeting Room 209 / Private Room	
Comments (see below)	G		H		I	
Lab ID-Version‡:	11365332-1		11365333-1		11365334-1	
Analysis Date:	04/01/2020		04/01/2020		04/01/2020	
Spore types detected:	raw ct.	per m3	raw ct.	per m3	raw ct.	per m3
Aureobasidium	-	-	-	-	-	-
Basidiospores	92	4,900	71	3,800	49	2,600
Chaetomium	-	-	-	-	-	-
Cladosporium	12	640	7	370	19	570
Fusarium	-	-	-	-	-	-
Penicillium/Aspergillus types	861	43,000	129	5,600	139	6,200
Stachybotrys	-	-	-	-	-	-
Trichoderma	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-
Others	11	590	8	430	5	270
§ Total:		49,000		10,000		9,700
Additional Information:						
Hyphal fragments	270		160		160	
Skin cells	13 - 67		80 - 4,000		80 - 4,000	
Pollen	53		< 13		< 13	
Background debris (1-4)†	3		2		2	
Limit of detection	13		13		13	
Sample volume (liters)	75		75		75	

**Comments:** G) 80 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump. H) 32 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump. I) 11 of the raw count *Cladosporium* spores were present as a single clump. 30 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump.

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**Laboratory Results****MoldREPORT: Spore Trap Analysis**

Location:	30219135: Guest Room 301		30219109: Guest Rooms 307 & 309		30219078: Guest Rooms 310 & 312	
Comments (see below)	J		K		L	
Lab ID-Version‡:	11365335-1		11365336-1		11365337-1	
Analysis Date:	04/01/2020		04/01/2020		04/01/2020	
Spore types detected:	raw ct.	per m3	raw ct.	per m3	raw ct.	per m3
Aureobasidium	-	-	-	-	-	-
Basidiospores	74	3,900	104	5,500	47	2,500
Chaetomium	-	-	-	-	-	-
Cladosporium	16	570	18	680	32	1,000
Fusarium	-	-	-	-	-	-
Penicillium/Aspergillus types	12	640	33	720	1	53
Stachybotrys	-	-	-	-	-	-
Trichoderma	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-
Others	15	800	15	800	6	320
§ Total:		6,000		7,700		3,900
<b>Additional Information:</b>						
Hyphal fragments	210		210		-	
Skin cells	13 - 67		13 - 67		13 - 67	
Pollen	< 13		< 13		< 13	
Background debris (1-4)†	2		2		2	
Limit of detection	13		13		13	
Sample volume (liters)	75		75		75	

**Comments:** J) 7 of the raw count *Cladosporium* spores were present as a single clump. K) 26 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump. 7 of the raw count *Cladosporium* spores were present as a single clump. L) 17 of the raw count *Cladosporium* spores were present as a single clump.

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Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

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3929 Old Lee Highway, Suite 91C, Fairfax, VA 22030

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**Laboratory Results****MoldREPORT: Spore Trap Analysis**

Location:	30219073: Laundry - Room #4		30219098: Guest Room #6	
Comments (see below)	M		N	
Lab ID-Version‡:	11365338-1		11365339-1	
Analysis Date:	04/01/2020		04/01/2020	
Spore types detected:	raw ct.	per m3	raw ct.	per m3
Aureobasidium	-	-	-	-
Basidiospores	54	2,900	62	3,300
Chaetomium	-	-	-	-
Cladosporium	51	2,200	2	110
Fusarium	-	-	-	-
Penicillium/Aspergillus types	969	47,000	104	3,400
Stachybotrys	-	-	-	-
Trichoderma	-	-	-	-
Ulocladium	-	-	-	-
Others	18	960	12	640
§ Total:		54,000		7,500
Additional Information:				
Hyphal fragments	530		210	
Skin cells	80 - 4,000		80 - 4,000	
Pollen	53		< 13	
Background debris (1-4)†	3		3	
Limit of detection	13		13	
Sample volume (liters)	75		75	

**Comments:** M) 105 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump. 12 of the raw count *Cladosporium* spores were present as a single clump. N) 53 of the raw count *Penicillium/Aspergillus* type spores were present as a single clump.

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**Laboratory Results****MoldREPORT: Spore Trap Analysis**

Location:	30219086: Guest Room #8		30219171: Apartment	
Comments (see below)	None		None	
Lab ID-Version‡:	11365340-1		11365341-1	
Analysis Date:	04/01/2020		04/01/2020	
Spore types detected:	raw ct.	per m3	raw ct.	per m3
Aureobasidium	-	-	-	-
Basidiospores	66	3,500	60	3,200
Chaetomium	-	-	-	-
Cladosporium	15	800	24	1,300
Fusarium	-	-	-	-
Penicillium/Aspergillus types	8	430	7	370
Stachybotrys	1	13	-	-
Trichoderma	-	-	-	-
Ulocladium	-	-	-	-
Others	4	210	10	530
§ Total:		5,000		5,400
Additional Information:				
Hyphal fragments	210		160	
Skin cells	13 - 67		13 - 67	
Pollen	53		< 13	
Background debris (1-4)†	2		2	
Limit of detection	13		13	
Sample volume (liters)	75		75	

**Comments:**

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## Laboratory Results

**Basidiospores (basidiomycetes):** Basidiospores are extremely common outdoors and originate from fungi in gardens, forests, and woodlands. It is rare for the source of basidiospores to be indoors. However, basidiospores may be an indicator of wood decay.

**Cladosporium:** One of the most commonly found molds outdoors and frequently found growing indoors. Spores from Cladosporium are generally present in outdoor and indoor air, even in relatively clean, mold-growth-free, indoor environments. Levels vary based upon activity levels, weather conditions, dustiness, outside air exchange rates, and other factors.

**Penicillium/Aspergillus types:** Penicillium and Aspergillus are among the most common molds found growing both indoors and outdoors (even in relatively clean, mold-growth-free, indoor environments). Levels vary based upon activity levels, dustiness, weather conditions, outside air exchange rates, and other factors.

**Stachybotrys and other marker types:** Certain types of mold, such as Aureobasidium, Chaetomium, Fusarium, Trichoderma, and Ulocladium, are generally found in very low numbers outdoors. Consequently their presence indoors, even in relatively low numbers, is often an indication that these molds are originating from growth indoors. When present, these mold types are often the clearest indicator of a mold problem.

**Others:** Molds in the "Others" category are generally found outdoors in moderate numbers, and are therefore not considered markers of indoor growth.

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Approved by:

A handwritten signature in blue ink that reads "Francina Thadigiri". The signature is written in a cursive style.

Technical Manager  
Francina Thadigiri

Dates of Analysis:

MoldReport Direct exam: 04-01-2020

MoldReport Spore trap: 04-01-2020 to 04-01-2020

Service SOPs:

MoldReport Direct exam (EM-MY-S-1039)†

MoldReport Spore trap (EM-MY-S-1038)†

†AIHA-LAP, LLC accredited service, Lab ID #179623

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## Table of Contents

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Thank you for choosing MoldREPORT™ from Eurofins EMLab P&K. Our mission is to provide industry leadership for the assessment of mold in the home indoor environment.

Your MoldREPORT™ is designed and intended for use by professional inspectors in office and residential home inspections to help in the assessment of mold growth in the living areas sampled by professional inspectors. Our laboratory analysis is based on the samples submitted to Eurofins EMLab P&K. Please read the entire report to fully understand the complete MoldREPORT™ process. The following is a summary of the report sections:

- 1. Detailed Results of Sample Analysis** - Laboratory results from the samples collected at the site.
- 2. Understanding Your Sample Analysis Results** - Detailed summary of how to understand the analytical results from the air samples and/or surface samples including interpretive guidelines.
- 3. Important Information, Terms and Conditions** - General information to help you understand and interpret your MoldREPORT™, including important terms, conditions and applicable legal provision relating to this report.
- 4. Scope and Limitations** - Important information regarding the scope of the MoldREPORT™ system, and limitations of mold inspection, air sampling, and surface sampling.
- 5. Glossary** - Definitions and descriptions of frequently used terms and commonly found mold.
- 6. References and Resources** - Literature, websites, and other materials that can provide more in-depth information about mold and indoor air quality.

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EMLab P&K, LLC

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**Summary of Sample Analysis Results**

**Do not take any action based on the results of this report until you have read the entire report.**

**Air Sample Summary:**

The MoldSCORE™ was in the HIGH range for the following area(s): 30219076, 30219127, 30219111, 30219103, 30219087, 30219089, 30219235, 30219080, 30219097, 30219134, 30219117, 30219073, 30219098. A high MoldSCORE™ indicates a high likelihood of mold growth in the area tested at the time of the inspection. If mold growth is in fact present, it should be cleaned or physically removed using appropriate controls and precautions by a trained professional and any associated water source that led to the problem should also be corrected.

The MoldSCORE™ was in the MODERATE range for the following area(s): 30219135, 30219109, 30219078, 30219086, 30219171. A moderate MoldSCORE™ means that the results are inconclusive, and suggests that a more detailed inspection by a trained professional may make sense if there are any other reasons to believe that mold growth could be a problem in this room.

Please see the sections titled "Detailed Results of the Air Sample Analysis" and "Understanding Your Air Sample Analysis Results" for important additional information.

Location	MoldSCORE™				Exposure Level					
	Lower <110	200	Higher 300	Mold Score	Lower <200	1K	10K	Higher >70K	Location spores/m3	Outside spores/m3
30219076: Lobby Area * see p. 5 for details				300					8,100	15,000
30219127: Manager/Admin Office - Main Level - Left * see p. 6 for details				300					18,000	15,000
30219111: Dining Room - Left * see p. 7 for details				300					14,000	15,000
30219103: Dining Room - Right * see p. 8 for details				300					12,000	15,000
30219087: Bar Area * see p. 9 for details				300					13,000	15,000
30219089: Kitchen * see p. 10 for details				300					15,000	15,000
30219235: Basement / Crawl Space * see p. 11 for details				300					7,900	15,000
30219080: Guest Room 201 * see p. 12 for details				292					5,000	15,000
30219097: Guest Rooms 205 & 207 * see p. 13 for details				300					49,000	15,000
30219134: Guest Rooms 210 & 212 * see p. 14 for details				300					10,000	15,000

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EMLab P&K, LLC

**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

Date of Receipt: 03-31-2020

Date of Report: 04-02-2020

**MoldREPORT**

Eurofins EMLab P & K

3929 Old Lee Highway, Suite 91C, Fairfax, VA 22030

(866) 871-1984 Fax (856) 334-1040

**Summary of Sample Analysis Results**

Sample ID / Location	Lower	Higher	Mold Score	Lower	Higher	Location spores/m3	Outside spores/m3		
30219117: Meeting Room 209 / Private Room * see p. 15 for details	<110	200	300	<200	1K	10K	>70K	9,600	15,000
30219135: Guest Room 301 * see p. 16 for details	<110	200	300	<200	1K	10K	>70K	5,900	15,000
30219109: Guest Rooms 307 & 309 * see p. 17 for details	<110	200	300	<200	1K	10K	>70K	7,700	15,000
30219078: Guest Rooms 310 & 312 * see p. 18 for details	<110	200	300	<200	1K	10K	>70K	3,900	15,000
30219073: Laundry - Room #4 * see p. 19 for details	<110	200	300	<200	1K	10K	>70K	53,000	15,000
30219098: Guest Room #6 * see p. 20 for details	<110	200	300	<200	1K	10K	>70K	7,400	15,000
30219086: Guest Room #8 * see p. 21 for details	<110	200	300	<200	1K	10K	>70K	5,000	15,000
30219171: Apartment * see p. 22 for details	<110	200	300	<200	1K	10K	>70K	5,400	15,000

**Surface Sample Summary:**

The surface sample results of B2030014, B2030711 indicated mold growth on the surface(s) sampled at the time of sampling.

Please see the sections titled "Detailed Results of the Surface Sample Analysis", "Understanding Your Surface Sample Analysis Results", "Important Information, Terms and Conditions" and "Scope and Limitations" for additional information.

**Location**

**Mold Growth**

**Dominant Types**

B2030014: Wall Growth - Room #6 * see p. 27 for details	Mold Growth	Stachybotrys species Penicillium/Aspergillus group
B2030711: Wall Growth - Kitchen/Bar Hallway * see p. 28 for details	Mold Growth	Ulocladium species Acremonium species

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**Client: Mountain Environmentals, LLC**

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Date of Sampling: 03-27-2020

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**Detailed Results of the Air Sample Analysis**

<b>Location</b> <b>Lab ID-version: ‡ 11365324-1</b> 30219076: Lobby Area	Overall Mold Source Assessment* (Likelihood spores originated inside)			Overall Exposure Level (Shown on a log scale)				Outside ‡11365323-1	
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Location spores/m <sup>3</sup>	raw ct	spores/m <sup>3</sup>	raw ct
					8,100	187	15,000	292	

**Indicators of Mold Growth**

**Indoors**

	Indicator Mold Source Assessment* (Likelihood spores originated inside)			Indicator Exposure Level (Shown on a log scale)					
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Location spores/m <sup>3</sup>	raw ct	Outside spores/m <sup>3</sup>	raw ct
A) <i>Penicillium/Aspergillus</i> types**			300			6,100	151	120	6
B) <i>Cladosporium</i> species spores			100			110	2	430	8
C) Basidiospores			100			1,700	31	13,000	249
D) "Marker" spore types***			100			< 13	0	< 13	0
E) "Other" spore types***,****			105			53	1	159	3

1) Smuts, *Periconia*, Myxomycetes

**Other Sample Information**

Sample clarity & visibility

	Good	Moderate	Poor
Location		X	
Outside		X	

"Good" = background debris is light enough to pose no difficulty in analyzing air samples.  
 "Poor" = background debris so heavy that it poses a significant difficulty in analyzing the air sample accurately. Results are most likely lower limits.

Other "normal trapping" spores\*\*\*

Exposure Level (Highly unlikely to be from indoors)								
Lower <200	Higher 1K	Location spores/m <sup>3</sup>	raw ct	Outside spores/m <sup>3</sup>	raw ct			
		110	2	1,400	26			

	Location	Outside
Sample volume (liters)	75	75

Comments

Location	50 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a clump of 34 spores and a clump of 16 spores.
Outside	5 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.

\* Rated on a scale from low to high. A MoldSCORE™ rating of <150 is low and indicates a low probability of spores originating inside. A MoldSCORE™ rating of >250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A MoldSCORE™ between 150 and 250 indicates a moderate likelihood of indoor fungal growth. Eurofins EMLab P&K's MoldSCORE™ analysis is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the MoldSCORE™ analysis on other samples (like wall cavity samples) will lead to misleading results.

\*\* The spores of *Penicillium* and *Aspergillus* (and others such as *Acremonium* and *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by spore trap sampling methods. Also some species with very small spores are easily missed, and may be undercounted. The *Penicillium/Aspergillus* indicator operates on the assumption that the majority of the spores in this category are, in fact, *Penicillium* or *Aspergillus*.

\*\*\* The spores reported in this category come from many different mold types. As a result, the mold types represented by the counts for the "Location" sample may be different than the mold types represented by the counts for the outside sample. The totals shown are the summation of the rounded values for the spores types in the category and may contain more than two significant figures.

\*\*\*\* The spores of smuts, *Periconia*, and myxomycetes look similar and cannot generally be distinguished by spore trap analysis. Smuts are plant pathogens and are not likely to be on indoor surfaces. *Periconia* is rarely found growing indoors. However, myxomycetes, the spores of which look similar, can occasionally grow indoors. Because there is a small probability of indoor sources, these spore types are indicated in the "other" spore types category. False positives may result if the spores are smuts, not myxomycetes.

‡A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Total spores/m<sup>3</sup> has been rounded to two significant figures to reflect analytical precision.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

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EMLab P&K, LLC

**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

Date of Receipt: 03-31-2020

Date of Report: 04-02-2020

**MoldREPORT**

Eurofins EMLab P & K

3929 Old Lee Highway, Suite 91C, Fairfax, VA 22030

(866) 871-1984 Fax (856) 334-1040

**Detailed Results of the Air Sample Analysis**

<b>Location</b> <b>Lab ID-version: ‡ 11365325-1</b> 30219127: Manager/Admin Office - Main Level - Left	Overall Mold Source Assessment* (Likelihood spores originated inside)			Overall Exposure Level (Shown on a log scale)				Outside ‡11365323-1		
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Higher 10K	Higher >70K	Location spores/m <sup>3</sup> raw ct	Location spores/m <sup>3</sup> raw ct	
							18,000	409	15,000	292

**Indicators of Mold Growth**

**Indoors**

	Indicator Mold Source Assessment* (Likelihood spores originated inside)			Indicator Exposure Level (Shown on a log scale)				Outside			
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Higher 10K	Higher >70K	Location spores/m <sup>3</sup> raw ct	Location spores/m <sup>3</sup> raw ct		
A) <i>Penicillium/Aspergillus</i> types**			300					14,000	340	120	6
B) <i>Cladosporium</i> species spores			100					270	5	430	8
C) Basidiospores			100					2,600	49	13,000	249
D) "Marker" spore types***			100					< 13	0	< 13	0
E) "Other" spore types***,****			100					53	1	159	3
1) Other brown											

**Other Sample Information**

Sample clarity & visibility

	Good	Moderate	Poor
Location		X	
Outside		X	

"Good" = background debris is light enough to pose no difficulty in analyzing air samples.  
 "Poor" = background debris so heavy that it poses a significant difficulty in analyzing the air sample accurately. Results are most likely lower limits.

Other "normal trapping" spores\*\*\*

Exposure Level (Highly unlikely to be from indoors)									
Lower <200	Higher 1K	Higher 10K	Higher >70K	Location spores/m <sup>3</sup> raw ct	Location spores/m <sup>3</sup> raw ct	Outside spores/m <sup>3</sup> raw ct	Outside spores/m <sup>3</sup> raw ct		
				750	14	1,400	26		

	Location	Outside
Sample volume (liters)	75	75

Comments

Location	107 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.
Outside	5 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.

\* Rated on a scale from low to high. A MoldSCORE™ rating of <150 is low and indicates a low probability of spores originating inside. A MoldSCORE™ rating of >250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A MoldSCORE™ between 150 and 250 indicates a moderate likelihood of indoor fungal growth. Eurofins EMLab P&K's MoldSCORE™ analysis is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the MoldSCORE™ analysis on other samples (like wall cavity samples) will lead to misleading results.

\*\* The spores of *Penicillium* and *Aspergillus* (and others such as *Acremonium* and *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by spore trap sampling methods. Also some species with very small spores are easily missed, and may be undercounted. The *Penicillium/Aspergillus* indicator operates on the assumption that the majority of the spores in this category are, in fact, *Penicillium* or *Aspergillus*.

\*\*\* The spores reported in this category come from many different mold types. As a result, the mold types represented by the counts for the "Location" sample may be different than the mold types represented by the counts for the outside sample. The totals shown are the summation of the rounded values for the spores types in the category and may contain more than two significant figures.

\*\*\*\* The spores of smuts, *Periconia*, and myxomycetes look similar and cannot generally be distinguished by spore trap analysis. Smuts are plant pathogens and are not likely to be on indoor surfaces. *Periconia* is rarely found growing indoors. However, myxomycetes, the spores of which look similar, can occasionally grow indoors. Because there is a small probability of indoor sources, these spore types are indicated in the "other" spore types category. False positives may result if the spores are smuts, not myxomycetes.

‡A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Total spores/m<sup>3</sup> has been rounded to two significant figures to reflect analytical precision.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

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**Client: Mountain Environmentals, LLC**  
 Contact: Mr. Mark Brown  
 Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19  
 Air Samples, 2 Tape Samples  
 Date of Sampling: 03-27-2020  
 Date of Receipt: 03-31-2020  
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### Detailed Results of the Air Sample Analysis

<b>Location</b> <b>Lab ID-version: ‡ 11365326-1</b> 30219111: Dining Room - Left	Overall Mold Source Assessment* (Likelihood spores originated inside)			Overall Exposure Level (Shown on a log scale)				Outside ‡11365323-1	
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Location spores/m <sup>3</sup> raw ct	Higher 10K	Location spores/m <sup>3</sup> raw ct	Outside spores/m <sup>3</sup> raw ct
								15,000 292	

#### Indicators of Mold Growth

##### Indoors

	Indicator Mold Source Assessment* (Likelihood spores originated inside)			Indicator Exposure Level (Shown on a log scale)				Outside	
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Location spores/m <sup>3</sup> raw ct	Higher 10K	Location spores/m <sup>3</sup> raw ct	Outside spores/m <sup>3</sup> raw ct
A) <i>Penicillium/Aspergillus</i> types**								11,000 241 120 6	
B) <i>Cladosporium</i> species spores								53 1 430 8	
C) Basidiospores								2,200 42 13,000 249	
D) "Marker" spore types***								< 13 0 < 13 0	
E) "Other" spore types***,****								< 13 0 159 3	

#### Other Sample Information

##### Sample clarity & visibility

	Good	Moderate	Poor
Location		X	
Outside		X	

"Good" = background debris is light enough to pose no difficulty in analyzing air samples.  
 "Poor" = background debris so heavy that it poses a significant difficulty in analyzing the air sample accurately. Results are most likely lower limits.

##### Other "normal trapping" spores\*\*\*

Exposure Level (Highly unlikely to be from indoors)			
Lower <200	Higher 1K	Location spores/m <sup>3</sup> raw ct	Outside spores/m <sup>3</sup> raw ct
		270 5	1,400 26

	Location	Outside
Sample volume (liters)	75	75

#### Comments

Location	37 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.
Outside	5 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.

\* Rated on a scale from low to high. A MoldSCORE™ rating of <150 is low and indicates a low probability of spores originating inside. A MoldSCORE™ rating of >250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A MoldSCORE™ between 150 and 250 indicates a moderate likelihood of indoor fungal growth. Eurofins EMLab P&K's MoldSCORE™ analysis is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the MoldSCORE™ analysis on other samples (like wall cavity samples) will lead to misleading results.

\*\* The spores of *Penicillium* and *Aspergillus* (and others such as *Acremonium* and *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by spore trap sampling methods. Also some species with very small spores are easily missed, and may be undercounted. The *Penicillium/Aspergillus* indicator operates on the assumption that the majority of the spores in this category are, in fact, *Penicillium* or *Aspergillus*.

\*\*\* The spores reported in this category come from many different mold types. As a result, the mold types represented by the counts for the "Location" sample may be different than the mold types represented by the counts for the outside sample. The totals shown are the summation of the rounded values for the spores types in the category and may contain more than two significant figures.

\*\*\*\* The spores of smuts, *Periconia*, and myxomycetes look similar and cannot generally be distinguished by spore trap analysis. Smuts are plant pathogens and are not likely to be on indoor surfaces. *Periconia* is rarely found growing indoors. However, myxomycetes, the spores of which look similar, can occasionally grow indoors. Because there is a small probability of indoor sources, these spore types are indicated in the "other" spore types category. False positives may result if the spores are smuts, not myxomycetes.

‡A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Total spores/m<sup>3</sup> has been rounded to two significant figures to reflect analytical precision.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

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### Detailed Results of the Air Sample Analysis

<b>Location</b> <b>Lab ID-version: ‡ 11365327-1</b> 30219103: Dining Room - Right	Overall Mold Source Assessment* (Likelihood spores originated inside)			Overall Exposure Level (Shown on a log scale)				Outside ‡11365323-1			
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Location 10K	Higher >70K	spores/m <sup>3</sup>	raw ct	spores/m <sup>3</sup>	raw ct
								12,000	260	15,000	292

#### Indicators of Mold Growth

##### Indoors

	Indicator Mold Source Assessment* (Likelihood spores originated inside)			Indicator Exposure Level (Shown on a log scale)							
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Location 10K	Higher >70K	spores/m <sup>3</sup>	raw ct	Outside spores/m <sup>3</sup>	raw ct
A) <i>Penicillium/Aspergillus</i> types***								7,900	162	120	6
B) <i>Cladosporium</i> species spores								810	28	430	8
C) Basidiospores								3,200	60	13,000	249
D) "Marker" spore types***								< 13	0	< 13	0
E) "Other" spore types***,****								53	1	159	3
1) Smuts, <i>Periconia</i> , <i>Myxomycetes</i>											

#### Other Sample Information

##### Sample clarity & visibility

	Good	Moderate	Poor
Location		X	
Outside		X	

"Good" = background debris is light enough to pose no difficulty in analyzing air samples.  
 "Poor" = background debris so heavy that it poses a significant difficulty in analyzing the air sample accurately. Results are most likely lower limits.

##### Other "normal trapping" spores\*\*\*

Exposure Level (Highly unlikely to be from indoors)									
Lower <200	Higher 1K	Location 10K	Higher >70K	spores/m <sup>3</sup>	raw ct	spores/m <sup>3</sup>	raw ct	Outside spores/m <sup>3</sup>	raw ct
				480	9	1,400	26		

	Location	Outside
Sample volume (liters)	75	75

#### Comments

Location	17 of the raw count <i>Cladosporium</i> spores were present as a single clump. 18 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.
Outside	5 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.

\* Rated on a scale from low to high. A MoldSCORE™ rating of <150 is low and indicates a low probability of spores originating inside. A MoldSCORE™ rating of >250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A MoldSCORE™ between 150 and 250 indicates a moderate likelihood of indoor fungal growth. Eurofins EMLab P&K's MoldSCORE™ analysis is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the MoldSCORE™ analysis on other samples (like wall cavity samples) will lead to misleading results.

\*\* The spores of *Penicillium* and *Aspergillus* (and others such as *Acremonium* and *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by spore trap sampling methods. Also some species with very small spores are easily missed, and may be undercounted. The *Penicillium/Aspergillus* indicator operates on the assumption that the majority of the spores in this category are, in fact, *Penicillium* or *Aspergillus*.

\*\*\* The spores reported in this category come from many different mold types. As a result, the mold types represented by the counts for the "Location" sample may be different than the mold types represented by the counts for the outside sample. The totals shown are the summation of the rounded values for the spores types in the category and may contain more than two significant figures.

\*\*\*\* The spores of smuts, *Periconia*, and myxomycetes look similar and cannot generally be distinguished by spore trap analysis. Smuts are plant pathogens and are not likely to be on indoor surfaces. *Periconia* is rarely found growing indoors. However, myxomycetes, the spores of which look similar, can occasionally grow indoors. Because there is a small probability of indoor sources, these spore types are indicated in the "other" spore types category. False positives may result if the spores are smuts, not myxomycetes.

‡A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Total spores/m<sup>3</sup> has been rounded to two significant figures to reflect analytical precision.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

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### Detailed Results of the Air Sample Analysis

<b>Location</b> <b>Lab ID-version: ‡ 11365328-1</b> 30219087: Bar Area	Overall Mold Source Assessment* (Likelihood spores originated inside)			Overall Exposure Level (Shown on a log scale)				Outside ‡11365323-1			
	Lower <110	Higher 200	Mold Score 300	Lower <200	1K	Higher 10K	>70K	Location spores/m <sup>3</sup> raw ct	Location spores/m <sup>3</sup> raw ct		
								13,000	242	15,000	292

#### Indicators of Mold Growth

##### Indoors

	Indicator Mold Source Assessment* (Likelihood spores originated inside)			Indicator Exposure Level (Shown on a log scale)				Outside			
	Lower <110	Higher 200	Mold Score 300	Lower <200	1K	Higher 10K	>70K	Location spores/m <sup>3</sup> raw ct	Location spores/m <sup>3</sup> raw ct		
A) <i>Penicillium/Aspergillus</i> types**								3,300	62	120	6
B) <i>Cladosporium</i> species spores								160	3	430	8
C) Basidiospores								8,700	163	13,000	249
D) "Marker" spore types***								< 13	0	< 13	0
E) "Other" spore types***,****								< 13	0	159	3

#### Other Sample Information

##### Sample clarity & visibility

	Good	Moderate	Poor
Location		X	
Outside		X	

"Good" = background debris is light enough to pose no difficulty in analyzing air samples.  
 "Poor" = background debris so heavy that it poses a significant difficulty in analyzing the air sample accurately. Results are most likely lower limits.

##### Other "normal trapping" spores\*\*\*

Exposure Level (Highly unlikely to be from indoors)						Outside	
Lower <200	1K	Higher 10K	>70K	Location spores/m <sup>3</sup> raw ct	Location spores/m <sup>3</sup> raw ct	Location spores/m <sup>3</sup> raw ct	Location spores/m <sup>3</sup> raw ct
				750	14	1,400	26

	Location	Outside
Sample volume (liters)	75	75

#### Comments

Location	None
Outside	5 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.

\* Rated on a scale from low to high. A MoldSCORE™ rating of <150 is low and indicates a low probability of spores originating inside. A MoldSCORE™ rating of >250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A MoldSCORE™ between 150 and 250 indicates a moderate likelihood of indoor fungal growth. Eurofins EMLab P&K's MoldSCORE™ analysis is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the MoldSCORE™ analysis on other samples (like wall cavity samples) will lead to misleading results.

\*\* The spores of *Penicillium* and *Aspergillus* (and others such as *Acremonium* and *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by spore trap sampling methods. Also some species with very small spores are easily missed, and may be undercounted. The *Penicillium/Aspergillus* indicator operates on the assumption that the majority of the spores in this category are, in fact, *Penicillium* or *Aspergillus*.

\*\*\* The spores reported in this category come from many different mold types. As a result, the mold types represented by the counts for the "Location" sample may be different than the mold types represented by the counts for the outside sample. The totals shown are the summation of the rounded values for the spores types in the category and may contain more than two significant figures.

\*\*\*\* The spores of smuts, *Periconia*, and myxomycetes look similar and cannot generally be distinguished by spore trap analysis. Smuts are plant pathogens and are not likely to be on indoor surfaces. *Periconia* is rarely found growing indoors. However, myxomycetes, the spores of which look similar, can occasionally grow indoors. Because there is a small probability of indoor sources, these spore types are indicated in the "other" spore types category. False positives may result if the spores are smuts, not myxomycetes.

‡A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Total spores/m<sup>3</sup> has been rounded to two significant figures to reflect analytical precision.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

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EMLab P&K, LLC

**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

Date of Receipt: 03-31-2020

Date of Report: 04-02-2020

**MoldREPORT**

Eurofins EMLab P & K

3929 Old Lee Highway, Suite 91C, Fairfax, VA 22030

(866) 871-1984 Fax (856) 334-1040

**Detailed Results of the Air Sample Analysis**

<b>Location</b> <b>Lab ID-version: ‡ 11365329-1</b> 30219089: Kitchen	Overall Mold Source Assessment* (Likelihood spores originated inside)			Overall Exposure Level (Shown on a log scale)				Outside ‡11365323-1		
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Higher 10K	Higher >70K	Location spores/m <sup>3</sup> raw ct	Location spores/m <sup>3</sup> raw ct	Outside spores/m <sup>3</sup> raw ct
							15,000 317		15,000 292	

**Indicators of Mold Growth**

**Indoors**

	Indicator Mold Source Assessment* (Likelihood spores originated inside)			Indicator Exposure Level (Shown on a log scale)				Outside			
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Higher 10K	Higher >70K	Location spores/m <sup>3</sup> raw ct	Location spores/m <sup>3</sup> raw ct	Outside spores/m <sup>3</sup> raw ct	
A) <i>Penicillium/Aspergillus</i> types***								7,700 185		120 6	
B) <i>Cladosporium</i> species spores								210 4		430 8	
C) Basidiospores								6,000 113		13,000 249	
D) "Marker" spore types***								< 13 0		< 13 0	
E) "Other" spore types***,****								< 13 0		159 3	

**Other Sample Information**

**Sample clarity & visibility**

	Good	Moderate	Poor
Location		X	
Outside		X	

"Good" = background debris is light enough to pose no difficulty in analyzing air samples.  
 "Poor" = background debris so heavy that it poses a significant difficulty in analyzing the air sample accurately. Results are most likely lower limits.

**Other "normal trapping" spores\*\*\***

Exposure Level (Highly unlikely to be from indoors)										
Lower <200	Higher 1K	Higher 10K	Higher >70K	Location spores/m <sup>3</sup> raw ct	Location spores/m <sup>3</sup> raw ct	Outside spores/m <sup>3</sup> raw ct	Outside spores/m <sup>3</sup> raw ct			
				800 15		1,400 26				
							Location	Outside		
Sample volume (liters)							75	75		

**Comments**

Location	53 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a clump of 29 spores and a clump of 24 spores.
Outside	5 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.

\* Rated on a scale from low to high. A MoldSCORE™ rating of <150 is low and indicates a low probability of spores originating inside. A MoldSCORE™ rating of >250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A MoldSCORE™ between 150 and 250 indicates a moderate likelihood of indoor fungal growth. Eurofins EMLab P&K's MoldSCORE™ analysis is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the MoldSCORE™ analysis on other samples (like wall cavity samples) will lead to misleading results.

\*\* The spores of *Penicillium* and *Aspergillus* (and others such as *Acremonium* and *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by spore trap sampling methods. Also some species with very small spores are easily missed, and may be undercounted. The *Penicillium/Aspergillus* indicator operates on the assumption that the majority of the spores in this category are, in fact, *Penicillium* or *Aspergillus*.

\*\*\* The spores reported in this category come from many different mold types. As a result, the mold types represented by the counts for the "Location" sample may be different than the mold types represented by the counts for the outside sample. The totals shown are the summation of the rounded values for the spores types in the category and may contain more than two significant figures.

\*\*\*\* The spores of smuts, *Periconia*, and myxomycetes look similar and cannot generally be distinguished by spore trap analysis. Smuts are plant pathogens and are not likely to be on indoor surfaces. *Periconia* is rarely found growing indoors. However, myxomycetes, the spores of which look similar, can occasionally grow indoors. Because there is a small probability of indoor sources, these spore types are indicated in the "other" spore types category. False positives may result if the spores are smuts, not myxomycetes.

‡A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Total spores/m<sup>3</sup> has been rounded to two significant figures to reflect analytical precision.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

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EMLab P&K, LLC

**Client: Mountain Environmentals, LLC**  
 Contact: Mr. Mark Brown  
 Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19  
 Air Samples, 2 Tape Samples  
 Date of Sampling: 03-27-2020  
 Date of Receipt: 03-31-2020  
 Date of Report: 04-02-2020

**MoldREPORT**  
 Eurofins EMLab P & K  
 3929 Old Lee Highway, Suite 91C, Fairfax, VA 22030  
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### Detailed Results of the Air Sample Analysis

Location Lab ID-version: ‡ 11365330-1	Overall Mold Source Assessment* (Likelihood spores originated inside)			Overall Exposure Level (Shown on a log scale)				Outside ‡11365323-1			
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Location spores/m <sup>3</sup> raw ct	Higher 10K	>70K	spores/m <sup>3</sup> raw ct	spores/m <sup>3</sup> raw ct	
30219235: Basement / Crawl Space								7,900	148	15,000	292

#### Indicators of Mold Growth

##### Indoors

Indicator	Indicator Mold Source Assessment* (Likelihood spores originated inside)			Indicator Exposure Level (Shown on a log scale)				Outside			
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Location spores/m <sup>3</sup> raw ct	Higher 10K	>70K	spores/m <sup>3</sup> raw ct	spores/m <sup>3</sup> raw ct	
A) <i>Penicillium/Aspergillus</i> types**								3,100	59	120	6
B) <i>Cladosporium</i> species spores								53	1	430	8
C) Basidiospores								4,500	84	13,000	249
D) "Marker" spore types***								< 13	0	< 13	0
E) "Other" spore types***,****								< 13	0	159	3

#### Other Sample Information

##### Sample clarity & visibility

	Good	Moderate	Poor
Location		X	
Outside		X	

"Good" = background debris is light enough to pose no difficulty in analyzing air samples.  
 "Poor" = background debris so heavy that it poses a significant difficulty in analyzing the air sample accurately. Results are most likely lower limits.

##### Other "normal trapping" spores\*\*\*

Exposure Level (Highly unlikely to be from indoors)								
Lower <200	Higher 1K	Location spores/m <sup>3</sup> raw ct	Higher 10K	>70K	Location spores/m <sup>3</sup> raw ct	Outside spores/m <sup>3</sup> raw ct	Outside spores/m <sup>3</sup> raw ct	
					210	4	1,400	26

Sample volume (liters)	Location	Outside
	75	75

#### Comments

Location	None
Outside	5 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.

\* Rated on a scale from low to high. A MoldSCORE™ rating of <150 is low and indicates a low probability of spores originating inside. A MoldSCORE™ rating of >250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A MoldSCORE™ between 150 and 250 indicates a moderate likelihood of indoor fungal growth. Eurofins EMLab P&K's MoldSCORE™ analysis is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the MoldSCORE™ analysis on other samples (like wall cavity samples) will lead to misleading results.

\*\* The spores of *Penicillium* and *Aspergillus* (and others such as *Acremonium* and *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by spore trap sampling methods. Also some species with very small spores are easily missed, and may be undercounted. The *Penicillium/Aspergillus* indicator operates on the assumption that the majority of the spores in this category are, in fact, *Penicillium* or *Aspergillus*.

\*\*\* The spores reported in this category come from many different mold types. As a result, the mold types represented by the counts for the "Location" sample may be different than the mold types represented by the counts for the outside sample. The totals shown are the summation of the rounded values for the spores types in the category and may contain more than two significant figures.

\*\*\*\* The spores of smuts, *Periconia*, and myxomycetes look similar and cannot generally be distinguished by spore trap analysis. Smuts are plant pathogens and are not likely to be on indoor surfaces. *Periconia* is rarely found growing indoors. However, myxomycetes, the spores of which look similar, can occasionally grow indoors. Because there is a small probability of indoor sources, these spore types are indicated in the "other" spore types category. False positives may result if the spores are smuts, not myxomycetes.

‡A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Total spores/m<sup>3</sup> has been rounded to two significant figures to reflect analytical precision.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

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EMLab P&K, LLC

**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

Date of Receipt: 03-31-2020

Date of Report: 04-02-2020

**MoldREPORT**

Eurofins EMLab P & K

3929 Old Lee Highway, Suite 91C, Fairfax, VA 22030

(866) 871-1984 Fax (856) 334-1040

**Detailed Results of the Air Sample Analysis**

<b>Location</b> <b>Lab ID-version: ‡ 11365331-1</b> 30219080: Guest Room 201	Overall Mold Source Assessment* (Likelihood spores originated inside)				Overall Exposure Level (Shown on a log scale)				Outside ‡11365323-1			
	Lower <110	200	Higher 300	Mold Score	Lower <200	1K	Higher 10K	>70K	Location spores/m <sup>3</sup>	raw ct	spores/m <sup>3</sup>	raw ct
									5,000	93	15,000	292

**Indicators of Mold Growth**

**Indoors**

	Indicator Mold Source Assessment* (Likelihood spores originated inside)				Indicator Exposure Level (Shown on a log scale)				Outside			
	Lower <110	200	Higher 300	Mold Score	Lower <200	1K	Higher 10K	>70K	Location spores/m <sup>3</sup>	raw ct	spores/m <sup>3</sup>	raw ct
A) <i>Penicillium/Aspergillus</i> types**									2,100	39	120	6
B) <i>Cladosporium</i> species spores									270	5	430	8
C) Basidiospores									2,400	45	13,000	249
D) "Marker" spore types***									< 13	0	< 13	0
E) "Other" spore types***,****									53	1	159	3
1) Other brown												

**Other Sample Information**

Sample clarity & visibility

	Good	Moderate	Poor
Location		X	
Outside		X	

"Good" = background debris is light enough to pose no difficulty in analyzing air samples.  
 "Poor" = background debris so heavy that it poses a significant difficulty in analyzing the air sample accurately. Results are most likely lower limits.

Other "normal trapping" spores\*\*\*

Exposure Level (Highly unlikely to be from indoors)											
Lower <200	1K	Higher 10K	>70K	Location spores/m <sup>3</sup>	raw ct	Outside spores/m <sup>3</sup>	raw ct				
				160	3	1,400	26				
							Location	Outside			
Sample volume (liters)							75	75			

Comments

Location	None
Outside	5 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.

\* Rated on a scale from low to high. A MoldSCORE™ rating of <150 is low and indicates a low probability of spores originating inside. A MoldSCORE™ rating of >250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A MoldSCORE™ between 150 and 250 indicates a moderate likelihood of indoor fungal growth. Eurofins EMLab P&K's MoldSCORE™ analysis is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the MoldSCORE™ analysis on other samples (like wall cavity samples) will lead to misleading results.

\*\* The spores of *Penicillium* and *Aspergillus* (and others such as *Acremonium* and *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by spore trap sampling methods. Also some species with very small spores are easily missed, and may be undercounted. The *Penicillium/Aspergillus* indicator operates on the assumption that the majority of the spores in this category are, in fact, *Penicillium* or *Aspergillus*.

\*\*\* The spores reported in this category come from many different mold types. As a result, the mold types represented by the counts for the "Location" sample may be different than the mold types represented by the counts for the outside sample. The totals shown are the summation of the rounded values for the spores types in the category and may contain more than two significant figures.

\*\*\*\* The spores of smuts, *Periconia*, and myxomycetes look similar and cannot generally be distinguished by spore trap analysis. Smuts are plant pathogens and are not likely to be on indoor surfaces. *Periconia* is rarely found growing indoors. However, myxomycetes, the spores of which look similar, can occasionally grow indoors. Because there is a small probability of indoor sources, these spore types are indicated in the "other" spore types category. False positives may result if the spores are smuts, not myxomycetes.

‡A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Total spores/m<sup>3</sup> has been rounded to two significant figures to reflect analytical precision.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

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EMLab P&K, LLC

**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

Date of Receipt: 03-31-2020

Date of Report: 04-02-2020

**MoldREPORT**

Eurofins EMLab P & K

3929 Old Lee Highway, Suite 91C, Fairfax, VA 22030

(866) 871-1984 Fax (856) 334-1040

**Detailed Results of the Air Sample Analysis**

<b>Location</b> <b>Lab ID-version: ‡ 11365332-1</b> 30219097: Guest Rooms 205 & 207	Overall Mold Source Assessment* (Likelihood spores originated inside)				Overall Exposure Level (Shown on a log scale)				Outside ‡11365323-1		
	Lower <110	200	Higher 300	Mold Score 300	Lower <200	1K	Higher 10K	>70K	Location spores/m <sup>3</sup> 49,000	raw ct 976	Outside spores/m <sup>3</sup> 15,000

**Indicators of Mold Growth**

**Indoors**

	Indicator Mold Source Assessment* (Likelihood spores originated inside)				Indicator Exposure Level (Shown on a log scale)				Outside			
	Lower <110	200	Higher 300	Mold Score 300	Lower <200	1K	Higher 10K	>70K	Location spores/m <sup>3</sup>	raw ct	Outside spores/m <sup>3</sup>	raw ct
A) <i>Penicillium/Aspergillus</i> types***					43,000	861	120	6				
B) <i>Cladosporium</i> species spores					640	12	430	8				
C) Basidiospores					4,900	92	13,000	249				
D) "Marker" spore types***					< 13	0	< 13	0				
E) "Other" spore types***,****					163	3	159	3				
1) Smuts, <i>Periconia</i> , Myxomycetes												
2) <i>Nigrospora</i>												

**Other Sample Information**

Sample clarity & visibility

	Good	Moderate	Poor
Location		X	
Outside		X	

"Good" = background debris is light enough to pose no difficulty in analyzing air samples.  
 "Poor" = background debris so heavy that it poses a significant difficulty in analyzing the air sample accurately. Results are most likely lower limits.

Other "normal trapping" spores\*\*\*

Exposure Level (Highly unlikely to be from indoors)											
Lower <200	1K	Higher 10K	>70K	Location spores/m <sup>3</sup>	raw ct	Outside spores/m <sup>3</sup>	raw ct				
				430	8	1,400	26				

	Location	Outside
Sample volume (liters)	75	75

Comments

Location	80 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.
Outside	5 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.

\* Rated on a scale from low to high. A MoldSCORE™ rating of <150 is low and indicates a low probability of spores originating inside. A MoldSCORE™ rating of >250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A MoldSCORE™ between 150 and 250 indicates a moderate likelihood of indoor fungal growth. Eurofins EMLab P&K's MoldSCORE™ analysis is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the MoldSCORE™ analysis on other samples (like wall cavity samples) will lead to misleading results.

\*\* The spores of *Penicillium* and *Aspergillus* (and others such as *Acremonium* and *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by spore trap sampling methods. Also some species with very small spores are easily missed, and may be undercounted. The *Penicillium/Aspergillus* indicator operates on the assumption that the majority of the spores in this category are, in fact, *Penicillium* or *Aspergillus*.

\*\*\* The spores reported in this category come from many different mold types. As a result, the mold types represented by the counts for the "Location" sample may be different than the mold types represented by the counts for the outside sample. The totals shown are the summation of the rounded values for the spores types in the category and may contain more than two significant figures.

\*\*\*\* The spores of smuts, *Periconia*, and myxomycetes look similar and cannot generally be distinguished by spore trap analysis. Smuts are plant pathogens and are not likely to be on indoor surfaces. *Periconia* is rarely found growing indoors. However, myxomycetes, the spores of which look similar, can occasionally grow indoors. Because there is a small probability of indoor sources, these spore types are indicated in the "other" spore types category. False positives may result if the spores are smuts, not myxomycetes.

‡A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Total spores/m<sup>3</sup> has been rounded to two significant figures to reflect analytical precision.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

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EMLab P&K, LLC

**Client: Mountain Environmentals, LLC**  
 Contact: Mr. Mark Brown  
 Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19  
 Air Samples, 2 Tape Samples  
 Date of Sampling: 03-27-2020  
 Date of Receipt: 03-31-2020  
 Date of Report: 04-02-2020

**MoldREPORT**  
 Eurofins EMLab P & K  
 3929 Old Lee Highway, Suite 91C, Fairfax, VA 22030  
 (866) 871-1984 Fax (856) 334-1040

### Detailed Results of the Air Sample Analysis

<b>Location</b> <b>Lab ID-version: ‡ 11365333-1</b> 30219134: Guest Rooms 210 & 212	Overall Mold Source Assessment* (Likelihood spores originated inside)			Overall Exposure Level (Shown on a log scale)				Outside ‡11365323-1	
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Location spores/m <sup>3</sup> 10K	raw ct >70K 215	spores/m <sup>3</sup> 15,000	raw ct 292

#### Indicators of Mold Growth

##### Indoors

	Indicator Mold Source Assessment* (Likelihood spores originated inside)			Indicator Exposure Level (Shown on a log scale)					
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Location spores/m <sup>3</sup> 10K	raw ct >70K	Outside spores/m <sup>3</sup>	raw ct
A) <i>Penicillium/Aspergillus</i> types**			300			5,600	129	120	6
B) <i>Cladosporium</i> species spores			105			370	7	430	8
C) Basidiospores			100			3,800	71	13,000	249
D) "Marker" spore types***			100			< 13	0	< 13	0
E) "Other" spore types***,****			100			< 13	0	159	3

#### Other Sample Information

##### Sample clarity & visibility

	Good	Moderate	Poor
Location		X	
Outside		X	

"Good" = background debris is light enough to pose no difficulty in analyzing air samples.  
 "Poor" = background debris so heavy that it poses a significant difficulty in analyzing the air sample accurately. Results are most likely lower limits.

##### Other "normal trapping" spores\*\*\*

Exposure Level (Highly unlikely to be from indoors)			
Lower <200	Higher 1K	Location spores/m <sup>3</sup> 10K	raw ct >70K
		430	8

	Location	Outside
Sample volume (liters)	75	75

#### Comments

Location	32 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.
Outside	5 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.

\* Rated on a scale from low to high. A MoldSCORE™ rating of <150 is low and indicates a low probability of spores originating inside. A MoldSCORE™ rating of >250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A MoldSCORE™ between 150 and 250 indicates a moderate likelihood of indoor fungal growth. Eurofins EMLab P&K's MoldSCORE™ analysis is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the MoldSCORE™ analysis on other samples (like wall cavity samples) will lead to misleading results.

\*\* The spores of *Penicillium* and *Aspergillus* (and others such as *Acremonium* and *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by spore trap sampling methods. Also some species with very small spores are easily missed, and may be undercounted. The *Penicillium/Aspergillus* indicator operates on the assumption that the majority of the spores in this category are, in fact, *Penicillium* or *Aspergillus*.

\*\*\* The spores reported in this category come from many different mold types. As a result, the mold types represented by the counts for the "Location" sample may be different than the mold types represented by the counts for the outside sample. The totals shown are the summation of the rounded values for the spores types in the category and may contain more than two significant figures.

\*\*\*\* The spores of smuts, *Periconia*, and myxomycetes look similar and cannot generally be distinguished by spore trap analysis. Smuts are plant pathogens and are not likely to be on indoor surfaces. *Periconia* is rarely found growing indoors. However, myxomycetes, the spores of which look similar, can occasionally grow indoors. Because there is a small probability of indoor sources, these spore types are indicated in the "other" spore types category. False positives may result if the spores are smuts, not myxomycetes.

‡A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Total spores/m<sup>3</sup> has been rounded to two significant figures to reflect analytical precision.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

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EMLab P&K, LLC

**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

Date of Receipt: 03-31-2020

Date of Report: 04-02-2020

**MoldREPORT**

Eurofins EMLab P & K

3929 Old Lee Highway, Suite 91C, Fairfax, VA 22030

(866) 871-1984 Fax (856) 334-1040

**Detailed Results of the Air Sample Analysis**

Location Lab ID-version: ‡ 11365334-1	Overall Mold Source Assessment* (Likelihood spores originated inside)			Overall Exposure Level (Shown on a log scale)				Outside ‡11365323-1			
	Lower <110	Higher 200	Mold Score 300	Lower <200	1K	Higher 10K	>70K	Location spores/m <sup>3</sup> raw ct	Outside spores/m <sup>3</sup> raw ct		
30219117: Meeting Room 209 / Private Room								9,600	212	15,000	292

**Indicators of Mold Growth**

**Indoors**

	Indicator Mold Source Assessment* (Likelihood spores originated inside)			Indicator Exposure Level (Shown on a log scale)							
	Lower <110	Higher 200	Mold Score 300	Lower <200	1K	Higher 10K	>70K	Location spores/m <sup>3</sup> raw ct	Outside spores/m <sup>3</sup> raw ct		
A) <i>Penicillium/Aspergillus</i> types**								6,200	139	120	6
B) <i>Cladosporium</i> species spores								570	19	430	8
C) Basidiospores								2,600	49	13,000	249
D) "Marker" spore types***								< 13	0	< 13	0
E) "Other" spore types***,****								< 13	0	159	3

**Other Sample Information**

**Sample clarity & visibility**

	Good	Moderate	Poor
Location		X	
Outside		X	

"Good" = background debris is light enough to pose no difficulty in analyzing air samples.  
 "Poor" = background debris so heavy that it poses a significant difficulty in analyzing the air sample accurately. Results are most likely lower limits.

**Other "normal trapping" spores\*\*\***

Exposure Level (Highly unlikely to be from indoors)							
Lower <200	1K	Higher 10K	>70K	Location spores/m <sup>3</sup> raw ct	Outside spores/m <sup>3</sup> raw ct		
				270	5	1,400	26
Sample volume (liters)						Location	Outside
						75	75

**Comments**

Location	11 of the raw count <i>Cladosporium</i> spores were present as a single clump. 30 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.
Outside	5 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.

\* Rated on a scale from low to high. A MoldSCORE™ rating of <150 is low and indicates a low probability of spores originating inside. A MoldSCORE™ rating of >250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A MoldSCORE™ between 150 and 250 indicates a moderate likelihood of indoor fungal growth. Eurofins EMLab P&K's MoldSCORE™ analysis is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the MoldSCORE™ analysis on other samples (like wall cavity samples) will lead to misleading results.

\*\* The spores of *Penicillium* and *Aspergillus* (and others such as *Acremonium* and *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by spore trap sampling methods. Also some species with very small spores are easily missed, and may be undercounted. The *Penicillium/Aspergillus* indicator operates on the assumption that the majority of the spores in this category are, in fact, *Penicillium* or *Aspergillus*.

\*\*\* The spores reported in this category come from many different mold types. As a result, the mold types represented by the counts for the "Location" sample may be different than the mold types represented by the counts for the outside sample. The totals shown are the summation of the rounded values for the spores types in the category and may contain more than two significant figures.

\*\*\*\* The spores of smuts, *Periconia*, and myxomycetes look similar and cannot generally be distinguished by spore trap analysis. Smuts are plant pathogens and are not likely to be on indoor surfaces. *Periconia* is rarely found growing indoors. However, myxomycetes, the spores of which look similar, can occasionally grow indoors. Because there is a small probability of indoor sources, these spore types are indicated in the "other" spore types category. False positives may result if the spores are smuts, not myxomycetes.

‡A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Total spores/m<sup>3</sup> has been rounded to two significant figures to reflect analytical precision.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

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EMLab P&K, LLC



**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

Date of Receipt: 03-31-2020

Date of Report: 04-02-2020

**MoldREPORT**

Eurofins EMLab P & K

3929 Old Lee Highway, Suite 91C, Fairfax, VA 22030

(866) 871-1984 Fax (856) 334-1040

**Detailed Results of the Air Sample Analysis**

<b>Location</b> <b>Lab ID-version: ‡ 11365335-1</b> 30219135: Guest Room 301	Overall Mold Source Assessment* (Likelihood spores originated inside)				Overall Exposure Level (Shown on a log scale)				Outside ‡11365323-1		
	Lower <110	Higher 200	300	Mold Score	Lower <200	1K	10K	Higher >70K	Location spores/m <sup>3</sup>	raw ct	spores/m <sup>3</sup>
			189					5,900	117	15,000	292

**Indicators of Mold Growth**

**Indoors**

	Indicator Mold Source Assessment* (Likelihood spores originated inside)				Indicator Exposure Level (Shown on a log scale)				Outside			
	Lower <110	Higher 200	300	Mold Score	Lower <200	1K	10K	Higher >70K	Location spores/m <sup>3</sup>	raw ct	spores/m <sup>3</sup>	raw ct
A) <i>Penicillium/Aspergillus</i> types**				189					640	12	120	6
B) <i>Cladosporium</i> species spores				125					570	16	430	8
C) Basidiospores				100					3,900	74	13,000	249
D) "Marker" spore types***				100					< 13	0	< 13	0
E) "Other" spore types***,****				113					53	1	159	3
1) Other brown												

**Other Sample Information**

Sample clarity & visibility

	Good	Moderate	Poor
Location		X	
Outside		X	

"Good" = background debris is light enough to pose no difficulty in analyzing air samples.  
 "Poor" = background debris so heavy that it poses a significant difficulty in analyzing the air sample accurately. Results are most likely lower limits.

Other "normal trapping" spores\*\*\*

Exposure Level (Highly unlikely to be from indoors)											
Lower <200	1K	10K	Higher >70K	Location spores/m <sup>3</sup>	raw ct	Outside spores/m <sup>3</sup>	raw ct				
				750	14	1,400	26				

	Location	Outside
Sample volume (liters)	75	75

Comments

Location	7 of the raw count <i>Cladosporium</i> spores were present as a single clump.
Outside	5 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.

\* Rated on a scale from low to high. A MoldSCORE™ rating of <150 is low and indicates a low probability of spores originating inside. A MoldSCORE™ rating of >250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A MoldSCORE™ between 150 and 250 indicates a moderate likelihood of indoor fungal growth. Eurofins EMLab P&K's MoldSCORE™ analysis is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the MoldSCORE™ analysis on other samples (like wall cavity samples) will lead to misleading results.

\*\* The spores of *Penicillium* and *Aspergillus* (and others such as *Acremonium* and *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by spore trap sampling methods. Also some species with very small spores are easily missed, and may be undercounted. The *Penicillium/Aspergillus* indicator operates on the assumption that the majority of the spores in this category are, in fact, *Penicillium* or *Aspergillus*.

\*\*\* The spores reported in this category come from many different mold types. As a result, the mold types represented by the counts for the "Location" sample may be different than the mold types represented by the counts for the outside sample. The totals shown are the summation of the rounded values for the spores types in the category and may contain more than two significant figures.

\*\*\*\* The spores of smuts, *Periconia*, and myxomycetes look similar and cannot generally be distinguished by spore trap analysis. Smuts are plant pathogens and are not likely to be on indoor surfaces. *Periconia* is rarely found growing indoors. However, myxomycetes, the spores of which look similar, can occasionally grow indoors. Because there is a small probability of indoor sources, these spore types are indicated in the "other" spore types category. False positives may result if the spores are smuts, not myxomycetes.

‡A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Total spores/m<sup>3</sup> has been rounded to two significant figures to reflect analytical precision.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

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EMLab P&K, LLC

**Client: Mountain Environmentals, LLC**  
 Contact: Mr. Mark Brown  
 Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19  
 Air Samples, 2 Tape Samples  
 Date of Sampling: 03-27-2020  
 Date of Receipt: 03-31-2020  
 Date of Report: 04-02-2020

**MoldREPORT**  
 Eurofins EMLab P & K  
 3929 Old Lee Highway, Suite 91C, Fairfax, VA 22030  
 (866) 871-1984 Fax (856) 334-1040

### Detailed Results of the Air Sample Analysis

<b>Location</b> <b>Lab ID-version: ‡ 11365336-1</b> 30219109: Guest Rooms 307 & 309	Overall Mold Source Assessment* (Likelihood spores originated inside)			Overall Exposure Level (Shown on a log scale)				Outside ‡11365323-1		
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Location 10K	Location >70K	spores/m <sup>3</sup>	raw ct	spores/m <sup>3</sup>
			198			7,700	170	15,000	292	

#### Indicators of Mold Growth

##### Indoors

	Indicator Mold Source Assessment* (Likelihood spores originated inside)			Indicator Exposure Level (Shown on a log scale)				Outside		
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Location 10K	Location >70K	spores/m <sup>3</sup>	raw ct	spores/m <sup>3</sup>
A) <i>Penicillium/Aspergillus</i> types***			198			720	33	120	6	
B) <i>Cladosporium</i> species spores			129			680	18	430	8	
C) Basidiospores			100			5,500	104	13,000	249	
D) "Marker" spore types***			100			< 13	0	< 13	0	
E) "Other" spore types***,**** 1) Smuts, <i>Periconia</i> , Myxomycetes			126			160	3	159	3	

#### Other Sample Information

##### Sample clarity & visibility

	Good	Moderate	Poor
Location		X	
Outside		X	

"Good" = background debris is light enough to pose no difficulty in analyzing air samples.  
 "Poor" = background debris so heavy that it poses a significant difficulty in analyzing the air sample accurately. Results are most likely lower limits.

##### Other "normal trapping" spores\*\*\*

Exposure Level (Highly unlikely to be from indoors)									
Lower <200	Higher 1K	Location 10K	Location >70K	spores/m <sup>3</sup>	raw ct	spores/m <sup>3</sup>	raw ct	spores/m <sup>3</sup>	raw ct
		640	12	1,400	26				

	Location	Outside
Sample volume (liters)	75	75

#### Comments

Location	26 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump. 7 of the raw count <i>Cladosporium</i> spores were present as a single clump.
Outside	5 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.

\* Rated on a scale from low to high. A MoldSCORE™ rating of <150 is low and indicates a low probability of spores originating inside. A MoldSCORE™ rating of >250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A MoldSCORE™ between 150 and 250 indicates a moderate likelihood of indoor fungal growth. Eurofins EMLab P&K's MoldSCORE™ analysis is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the MoldSCORE™ analysis on other samples (like wall cavity samples) will lead to misleading results.

\*\* The spores of *Penicillium* and *Aspergillus* (and others such as *Acremonium* and *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by spore trap sampling methods. Also some species with very small spores are easily missed, and may be undercounted. The *Penicillium/Aspergillus* indicator operates on the assumption that the majority of the spores in this category are, in fact, *Penicillium* or *Aspergillus*.

\*\*\* The spores reported in this category come from many different mold types. As a result, the mold types represented by the counts for the "Location" sample may be different than the mold types represented by the counts for the outside sample. The totals shown are the summation of the rounded values for the spores types in the category and may contain more than two significant figures.

\*\*\*\* The spores of smuts, *Periconia*, and myxomycetes look similar and cannot generally be distinguished by spore trap analysis. Smuts are plant pathogens and are not likely to be on indoor surfaces. *Periconia* is rarely found growing indoors. However, myxomycetes, the spores of which look similar, can occasionally grow indoors. Because there is a small probability of indoor sources, these spore types are indicated in the "other" spore types category. False positives may result if the spores are smuts, not myxomycetes.

‡A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Total spores/m<sup>3</sup> has been rounded to two significant figures to reflect analytical precision.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

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EMLab P&K, LLC

EMLab ID: 2383286, Page 17 of 36

**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

Date of Receipt: 03-31-2020

Date of Report: 04-02-2020

**MoldREPORT**

Eurofins EMLab P & K

3929 Old Lee Highway, Suite 91C, Fairfax, VA 22030

(866) 871-1984 Fax (856) 334-1040

**Detailed Results of the Air Sample Analysis**

<b>Location</b> <b>Lab ID-version: ‡ 11365337-1</b> 30219078: Guest Rooms 310 & 312	Overall Mold Source Assessment* (Likelihood spores originated inside)				Overall Exposure Level (Shown on a log scale)				Outside ‡11365323-1		
	Lower <110	Higher 200	Higher 300	Mold Score	Lower <200	Higher 1K	Higher 10K	Higher >70K	Location spores/m <sup>3</sup>	Location raw ct	Outside spores/m <sup>3</sup>
	156				3,900 86				15,000	292	

**Indicators of Mold Growth**

**Indoors**

	Indicator Mold Source Assessment* (Likelihood spores originated inside)				Indicator Exposure Level (Shown on a log scale)				Outside			
	Lower <110	Higher 200	Higher 300	Mold Score	Lower <200	Higher 1K	Higher 10K	Higher >70K	Location spores/m <sup>3</sup>	Location raw ct	Outside spores/m <sup>3</sup>	Outside raw ct
A) <i>Penicillium/Aspergillus</i> types**	104				53 1				120	6		
B) <i>Cladosporium</i> species spores	156				1,000 32				430	8		
C) Basidiospores	100				2,500 47				13,000	249		
D) "Marker" spore types***	100				< 13 0				< 13	0		
E) "Other" spore types***,****	116				53 1				159	3		
1) Other brown												

**Other Sample Information**

Sample clarity & visibility

	Good	Moderate	Poor
Location		X	
Outside		X	

"Good" = background debris is light enough to pose no difficulty in analyzing air samples.  
 "Poor" = background debris so heavy that it poses a significant difficulty in analyzing the air sample accurately. Results are most likely lower limits.

Other "normal trapping" spores\*\*\*

Exposure Level (Highly unlikely to be from indoors)											
Lower <200	Higher 1K	Higher 10K	Higher >70K	Location spores/m <sup>3</sup>	Location raw ct	Outside spores/m <sup>3</sup>	Outside raw ct				
				270	5	1,400	26				

	Location	Outside
Sample volume (liters)	75	75

Comments

Location	17 of the raw count <i>Cladosporium</i> spores were present as a single clump.
Outside	5 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.

\* Rated on a scale from low to high. A MoldSCORE™ rating of <150 is low and indicates a low probability of spores originating inside. A MoldSCORE™ rating of >250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A MoldSCORE™ between 150 and 250 indicates a moderate likelihood of indoor fungal growth. Eurofins EMLab P&K's MoldSCORE™ analysis is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the MoldSCORE™ analysis on other samples (like wall cavity samples) will lead to misleading results.

\*\* The spores of *Penicillium* and *Aspergillus* (and others such as *Acremonium* and *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by spore trap sampling methods. Also some species with very small spores are easily missed, and may be undercounted. The *Penicillium/Aspergillus* indicator operates on the assumption that the majority of the spores in this category are, in fact, *Penicillium* or *Aspergillus*.

\*\*\* The spores reported in this category come from many different mold types. As a result, the mold types represented by the counts for the "Location" sample may be different than the mold types represented by the counts for the outside sample. The totals shown are the summation of the rounded values for the spores types in the category and may contain more than two significant figures.

\*\*\*\* The spores of smuts, *Periconia*, and myxomycetes look similar and cannot generally be distinguished by spore trap analysis. Smuts are plant pathogens and are not likely to be on indoor surfaces. *Periconia* is rarely found growing indoors. However, myxomycetes, the spores of which look similar, can occasionally grow indoors. Because there is a small probability of indoor sources, these spore types are indicated in the "other" spore types category. False positives may result if the spores are smuts, not myxomycetes.

‡A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Total spores/m<sup>3</sup> has been rounded to two significant figures to reflect analytical precision.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

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EMLab P&K, LLC

**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

Date of Receipt: 03-31-2020

Date of Report: 04-02-2020

**MoldREPORT**

Eurofins EMLab P & K

3929 Old Lee Highway, Suite 91C, Fairfax, VA 22030

(866) 871-1984 Fax (856) 334-1040

**Detailed Results of the Air Sample Analysis**

<b>Location</b> <b>Lab ID-version: ‡ 11365338-1</b> 30219073: Laundry - Room #4	Overall Mold Source Assessment* (Likelihood spores originated inside)				Overall Exposure Level (Shown on a log scale)				Outside ‡11365323-1	
	Lower	Higher	Mold	Score	Lower	Higher	Location	Outside		
	<110	200	300		<200	1K	10K >70K	spores/m <sup>3</sup>	raw ct	spores/m <sup>3</sup>
									15,000	292

**Indicators of Mold Growth**

**Indoors**

	Indicator Mold Source Assessment* (Likelihood spores originated inside)				Indicator Exposure Level (Shown on a log scale)							
	Lower	Higher	Mold	Score	Lower	Higher	Location	Outside				
	<110	200	300		<200	1K	10K >70K	spores/m <sup>3</sup>	raw ct	spores/m <sup>3</sup>	raw ct	
A) <i>Penicillium/Aspergillus</i> types***									47,000	969	120	6
B) <i>Cladosporium</i> species spores									2,200	51	430	8
C) Basidiospores									2,900	54	13,000	249
D) "Marker" spore types***									< 13	0	< 13	0
E) "Other" spore types***,****									639	12	159	3
1) Smuts, <i>Periconia</i> , <i>Myxomycetes</i>	2) Other brown	3) <i>Curvularia</i>	4) <i>Alternaria</i>	5) <i>Pithomyces</i>								

**Other Sample Information**

Sample clarity & visibility

	Good	Moderate	Poor
Location		X	
Outside		X	

"Good" = background debris is light enough to pose no difficulty in analyzing air samples.  
 "Poor" = background debris so heavy that it poses a significant difficulty in analyzing the air sample accurately. Results are most likely lower limits.

Other "normal trapping" spores\*\*\*

Exposure Level (Highly unlikely to be from indoors)						
Lower	Higher	Location	Outside			
<200	1K	10K >70K	spores/m <sup>3</sup>	raw ct	spores/m <sup>3</sup>	raw ct
			320	6	1,400	26
Sample volume (liters)			75	75		

Comments

Location	105 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump. 12 of the raw count <i>Cladosporium</i> spores were present as a single clump.
Outside	5 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.

\* Rated on a scale from low to high. A MoldSCORE™ rating of <150 is low and indicates a low probability of spores originating inside. A MoldSCORE™ rating of >250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A MoldSCORE™ between 150 and 250 indicates a moderate likelihood of indoor fungal growth. Eurofins EMLab P&K's MoldSCORE™ analysis is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the MoldSCORE™ analysis on other samples (like wall cavity samples) will lead to misleading results.

\*\* The spores of *Penicillium* and *Aspergillus* (and others such as *Acremonium* and *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by spore trap sampling methods. Also some species with very small spores are easily missed, and may be undercounted. The *Penicillium/Aspergillus* indicator operates on the assumption that the majority of the spores in this category are, in fact, *Penicillium* or *Aspergillus*.

\*\*\* The spores reported in this category come from many different mold types. As a result, the mold types represented by the counts for the "Location" sample may be different than the mold types represented by the counts for the outside sample. The totals shown are the summation of the rounded values for the spores types in the category and may contain more than two significant figures.

\*\*\*\* The spores of smuts, *Periconia*, and myxomycetes look similar and cannot generally be distinguished by spore trap analysis. Smuts are plant pathogens and are not likely to be on indoor surfaces. *Periconia* is rarely found growing indoors. However, myxomycetes, the spores of which look similar, can occasionally grow indoors. Because there is a small probability of indoor sources, these spore types are indicated in the "other" spore types category. False positives may result if the spores are smuts, not myxomycetes.

‡A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Total spores/m<sup>3</sup> has been rounded to two significant figures to reflect analytical precision.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

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EMLab P&K, LLC

**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

Date of Receipt: 03-31-2020

Date of Report: 04-02-2020

**MoldREPORT**

Eurofins EMLab P & K

3929 Old Lee Highway, Suite 91C, Fairfax, VA 22030

(866) 871-1984 Fax (856) 334-1040

**Detailed Results of the Air Sample Analysis**

<b>Location</b> <b>Lab ID-version: ‡ 11365339-1</b> 30219098: Guest Room #6	Overall Mold Source Assessment* (Likelihood spores originated inside)			Overall Exposure Level (Shown on a log scale)				Outside ‡11365323-1	
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Higher 10K	Higher >70K	Location spores/m <sup>3</sup> raw ct	Location spores/m <sup>3</sup> raw ct
							7,400	180	15,000 292

**Indicators of Mold Growth**

**Indoors**

	Indicator Mold Source Assessment* (Likelihood spores originated inside)			Indicator Exposure Level (Shown on a log scale)						
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Higher 10K	Higher >70K	Location spores/m <sup>3</sup> raw ct	Location spores/m <sup>3</sup> raw ct	Outside spores/m <sup>3</sup> raw ct
A) <i>Penicillium/Aspergillus</i> types**			300					3,400	104	120 6
B) <i>Cladosporium</i> species spores			100					110	2	430 8
C) Basidiospores			100					3,300	62	13,000 249
D) "Marker" spore types***			100					< 13	0	< 13 0
E) "Other" spore types***,****			140					106	2	159 3
1) <i>Epicoccum</i> 2) <i>Trichocladium</i>										

**Other Sample Information**

**Sample clarity & visibility**

	Good	Moderate	Poor
Location		X	
Outside		X	

"Good" = background debris is light enough to pose no difficulty in analyzing air samples.  
 "Poor" = background debris so heavy that it poses a significant difficulty in analyzing the air sample accurately. Results are most likely lower limits.

**Other "normal trapping" spores\*\*\***

Exposure Level (Highly unlikely to be from indoors)									
Lower <200	Higher 1K	Higher 10K	Higher >70K	Location spores/m <sup>3</sup> raw ct	Location spores/m <sup>3</sup> raw ct	Outside spores/m <sup>3</sup> raw ct	Outside spores/m <sup>3</sup> raw ct		
				530	10	1,400	26		

	Location	Outside
Sample volume (liters)	75	75

**Comments**

Location	53 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.
Outside	5 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.

\* Rated on a scale from low to high. A MoldSCORE™ rating of <150 is low and indicates a low probability of spores originating inside. A MoldSCORE™ rating of >250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A MoldSCORE™ between 150 and 250 indicates a moderate likelihood of indoor fungal growth. Eurofins EMLab P&K's MoldSCORE™ analysis is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the MoldSCORE™ analysis on other samples (like wall cavity samples) will lead to misleading results.

\*\* The spores of *Penicillium* and *Aspergillus* (and others such as *Acremonium* and *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by spore trap sampling methods. Also some species with very small spores are easily missed, and may be undercounted. The *Penicillium/Aspergillus* indicator operates on the assumption that the majority of the spores in this category are, in fact, *Penicillium* or *Aspergillus*.

\*\*\* The spores reported in this category come from many different mold types. As a result, the mold types represented by the counts for the "Location" sample may be different than the mold types represented by the counts for the outside sample. The totals shown are the summation of the rounded values for the spores types in the category and may contain more than two significant figures.

\*\*\*\* The spores of smuts, *Periconia*, and myxomycetes look similar and cannot generally be distinguished by spore trap analysis. Smuts are plant pathogens and are not likely to be on indoor surfaces. *Periconia* is rarely found growing indoors. However, myxomycetes, the spores of which look similar, can occasionally grow indoors. Because there is a small probability of indoor sources, these spore types are indicated in the "other" spore types category. False positives may result if the spores are smuts, not myxomycetes.

‡A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Total spores/m<sup>3</sup> has been rounded to two significant figures to reflect analytical precision.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

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EMLab P&K, LLC

**Client: Mountain Environmentals, LLC**  
 Contact: Mr. Mark Brown  
 Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19  
 Air Samples, 2 Tape Samples  
 Date of Sampling: 03-27-2020  
 Date of Receipt: 03-31-2020  
 Date of Report: 04-02-2020








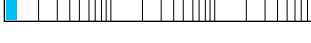


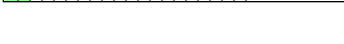
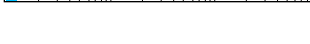


**MoldREPORT**  
 Eurofins EMLab P & K  
 3929 Old Lee Highway, Suite 91C, Fairfax, VA 22030  
 (866) 871-1984 Fax (856) 334-1040

## Detailed Results of the Air Sample Analysis

<b>Location</b> <b>Lab ID-version: ‡ 11365340-1</b>	Overall Mold Source Assessment* (Likelihood spores originated inside)				Overall Exposure Level (Shown on a log scale)				Outside ‡11365323-1			
	Lower <110	200	Higher 300	Mold Score	Lower <200	1K	Higher 10K	>70K	Location spores/m <sup>3</sup>	raw ct	spores/m <sup>3</sup>	raw ct
30219086: Guest Room #8									5,000	94	15,000	292

### Indicators of Mold Growth

#### Indoors

	Indicator Mold Source Assessment* (Likelihood spores originated inside)				Indicator Exposure Level (Shown on a log scale)							
	Lower <110	200	Higher 300	Mold Score	Lower <200	1K	Higher 10K	>70K	Location spores/m <sup>3</sup>	raw ct	Outside spores/m <sup>3</sup>	raw ct
A) <i>Penicillium/Aspergillus</i> types**									430	8	120	6
B) <i>Cladosporium</i> species spores									800	15	430	8
C) Basidiospores									3,500	66	13,000	249
D) "Marker" spore types***									13	1	< 13	0
1) <i>Stachybotrys</i>												
E) "Other" spore types***, ****									110	2	159	3
1) Smuts, <i>Periconia</i> , Myxomycetes												

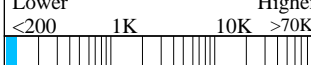
### Other Sample Information

#### Sample clarity & visibility

	Good	Moderate	Poor
Location		X	
Outside		X	

"Good" = background debris is light enough to pose no difficulty in analyzing air samples.  
 "Poor" = background debris so heavy that it poses a significant difficulty in analyzing the air sample accurately. Results are most likely lower limits.

#### Other "normal trapping" spores\*\*\*

Exposure Level (Highly unlikely to be from indoors)											
Lower <200	1K	Higher 10K	>70K	Location spores/m <sup>3</sup>	raw ct	Outside spores/m <sup>3</sup>	raw ct				
				110	2	1,400	26				
						<b>Location</b>	<b>Outside</b>				
Sample volume (liters)						75	75				

#### Comments

<b>Location</b>	None
<b>Outside</b>	5 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.

\* Rated on a scale from low to high. A MoldSCORE™ rating of <150 is low and indicates a low probability of spores originating inside. A MoldSCORE™ rating of >250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A MoldSCORE™ between 150 and 250 indicates a moderate likelihood of indoor fungal growth. Eurofins EMLab P&K's MoldSCORE™ analysis is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the MoldSCORE™ analysis on other samples (like wall cavity samples) will lead to misleading results.

\*\* The spores of *Penicillium* and *Aspergillus* (and others such as *Acremonium* and *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by spore trap sampling methods. Also some species with very small spores are easily missed, and may be undercounted. The *Penicillium/Aspergillus* indicator operates on the assumption that the majority of the spores in this category are, in fact, *Penicillium* or *Aspergillus*.

\*\*\* The spores reported in this category come from many different mold types. As a result, the mold types represented by the counts for the "Location" sample may be different than the mold types represented by the counts for the outside sample. The totals shown are the summation of the rounded values for the spores types in the category and may contain more than two significant figures.

\*\*\*\* The spores of smuts, *Periconia*, and myxomycetes look similar and cannot generally be distinguished by spore trap analysis. Smuts are plant pathogens and are not likely to be on indoor surfaces. *Periconia* is rarely found growing indoors. However, myxomycetes, the spores of which look similar, can occasionally grow indoors. Because there is a small probability of indoor sources, these spore types are indicated in the "other" spore types category. False positives may result if the spores are smuts, not myxomycetes.

‡A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Total spores/m<sup>3</sup> has been rounded to two significant figures to reflect analytical precision.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

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EMLab P&K, LLC

**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

Date of Receipt: 03-31-2020

Date of Report: 04-02-2020

**MoldREPORT**

Eurofins EMLab P & K

3929 Old Lee Highway, Suite 91C, Fairfax, VA 22030

(866) 871-1984 Fax (856) 334-1040

**Detailed Results of the Air Sample Analysis**

<b>Location</b> <b>Lab ID-version: ‡ 11365341-1</b> 30219171: Apartment	Overall Mold Source Assessment* (Likelihood spores originated inside)			Overall Exposure Level (Shown on a log scale)				Outside ‡11365323-1		
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Location spores/m <sup>3</sup> 10K	Location raw ct >70K	spores/m <sup>3</sup> 5,400	raw ct 101	spores/m <sup>3</sup> 15,000

**Indicators of Mold Growth**

**Indoors**

	Indicator Mold Source Assessment* (Likelihood spores originated inside)			Indicator Exposure Level (Shown on a log scale)					
	Lower <110	Higher 200	Mold Score 300	Lower <200	Higher 1K	Location spores/m <sup>3</sup> 10K	Location raw ct >70K	Outside spores/m <sup>3</sup>	Outside raw ct
A) <i>Penicillium/Aspergillus</i> types**			151			370	7	120	6
B) <i>Cladosporium</i> species spores			171			1,300	24	430	8
C) Basidiospores			100			3,200	60	13,000	249
D) "Marker" spore types***			100			< 13	0	< 13	0
E) "Other" spore types***,****			121			53	1	159	3

1) Other colorless

**Other Sample Information**

Sample clarity & visibility

	Good	Moderate	Poor
Location		X	
Outside		X	

"Good" = background debris is light enough to pose no difficulty in analyzing air samples.  
 "Poor" = background debris so heavy that it poses a significant difficulty in analyzing the air sample accurately. Results are most likely lower limits.

Other "normal trapping" spores\*\*\*

Exposure Level (Highly unlikely to be from indoors)			
Lower <200	Higher 1K	Location spores/m <sup>3</sup> 10K	Location raw ct >70K
		483	9
		1,400	26

	Location	Outside
Sample volume (liters)	75	75

Comments

Location	None
Outside	5 of the raw count <i>Penicillium/Aspergillus</i> type spores were present as a single clump.

\* Rated on a scale from low to high. A MoldSCORE™ rating of <150 is low and indicates a low probability of spores originating inside. A MoldSCORE™ rating of >250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A MoldSCORE™ between 150 and 250 indicates a moderate likelihood of indoor fungal growth. Eurofins EMLab P&K's MoldSCORE™ analysis is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the MoldSCORE™ analysis on other samples (like wall cavity samples) will lead to misleading results.

\*\* The spores of *Penicillium* and *Aspergillus* (and others such as *Acremonium* and *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by spore trap sampling methods. Also some species with very small spores are easily missed, and may be undercounted. The *Penicillium/Aspergillus* indicator operates on the assumption that the majority of the spores in this category are, in fact, *Penicillium* or *Aspergillus*.

\*\*\* The spores reported in this category come from many different mold types. As a result, the mold types represented by the counts for the "Location" sample may be different than the mold types represented by the counts for the outside sample. The totals shown are the summation of the rounded values for the spores types in the category and may contain more than two significant figures.

\*\*\*\* The spores of smuts, *Periconia*, and myxomycetes look similar and cannot generally be distinguished by spore trap analysis. Smuts are plant pathogens and are not likely to be on indoor surfaces. *Periconia* is rarely found growing indoors. However, myxomycetes, the spores of which look similar, can occasionally grow indoors. Because there is a small probability of indoor sources, these spore types are indicated in the "other" spore types category. False positives may result if the spores are smuts, not myxomycetes.

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Total spores/m<sup>3</sup> has been rounded to two significant figures to reflect analytical precision.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>. The limit of detection is the analytical sensitivity (in spores/m<sup>3</sup>) multiplied by the sample volume (in liters) divided by 1000 liters.

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EMLab P&K, LLC

**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

Date of Receipt: 03-31-2020

Date of Report: 04-02-2020

**MoldREPORT**

Eurofins EMLab P &amp; K

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## Understanding Your Air Sample Analysis Results

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### Description of the Air MoldREPORT™ Analysis

Mold spores are present in virtually all environments, both indoors and outdoors, with a few notable exceptions such as industrial clean rooms and hospital organ transplant rooms. Generally, in "normal" or "clean" indoor environments, indoor spore levels are lower, on average, than outdoor levels. However, even the most simple rules (such as "inside/outside" ratios) are not always appropriate for determining whether there is a source of mold growth indoors, and may provide false or misleading results. One reason these simple methods do not always work is because both outdoor and indoor spores levels vary widely due to factors such as weather conditions and activity levels within the room. For example, even in a "normal" home, spore levels can be higher than outdoors at certain times, such as after vacuuming (when airborne indoor levels could be unusually high) or after a heavy snow (when outdoor levels could be unusually low).

MoldREPORT™ is designed and intended to provide an easily understood report for residential home inspections to help in the assessment of mold growth in the living areas sampled. MoldREPORT™ relies on non-invasive and non-destructive tests, so it cannot guarantee that hidden mold problems will be detected and reported. MoldREPORT™ results apply only to the rooms or areas tested, at the time of sampling. Factors taken into consideration include, but are not limited to, the distribution of spore types, absolute levels inside and outside, relative levels inside and outside, the range and variation of spore levels that normally occur outside, and the types of spores present.

Providing you with a helpful, understandable and top quality interpretation requires special expertise. Eurofins EMLab P&K recognizes this and has taken the following steps to provide the best possible interpretation of your air sampling results.

1. Your samples were analyzed by Eurofins EMLab P&K,
2. We utilize the proprietary MoldREPORT™ analysis system, which was developed by a team including leading professionals in the indoor air quality (IAQ) industry.

### MoldSCORE™

The MoldSCORE™ indicates the likelihood, based upon the air sample laboratory data, that there is unusual or excessive mold growth in the properly sampled indoor area(s). It is calculated using Eurofins EMLab P&K's proprietary MoldREPORT™ system, based upon the indicator scores described in the following paragraphs. When the on-site inspection and sampling are done properly, MoldREPORT™ is less likely to give false results than other, simpler methods of interpretation often employed for routine home inspections, such as ratio analysis. It is important to bear in mind that any analytical method, findings, and interpretation should be used with a degree of caution and common sense. Any decisions related to health should be made in consultation with a medical doctor, and nothing in this report is intended to provide medical advice or indicate whether a medical or safety problem exists.

### Descriptions of the indicators:

#### Quantity and concentration of *Penicillium*/*Aspergillus* spore types

This score indicates the likelihood that spores of *Penicillium* or *Aspergillus* present in the indoor sample originated from indoor sources. A high score suggests that there is a high probability that *Penicillium* or *Aspergillus* is originating indoors, such as from active mold growth. A low score indicates that the spores present are more likely to have originated from outdoor sources and come inside through doors and windows, carried in on people's clothing, or similar methods. *Penicillium* and *Aspergillus* are among the most common molds found growing indoors and are one of the more commonly found molds outside as well. Their spores are frequently present in both outdoor and indoor air, even in relatively clean, mold-growth-free, indoor environments. Additionally, their levels vary significantly based upon activity levels, dustiness, weather conditions, outside air exchange rates, and other factors.

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EMLab ID: 2383286, Page 23 of 36



**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

Date of Receipt: 03-31-2020

Date of Report: 04-02-2020

**MoldREPORT**

Eurofins EMLab P &amp; K

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**Understanding Your Air Sample Analysis Results (continued)**

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**Quantity and concentration of *Cladosporium* spores**

This score indicates the likelihood that spores of *Cladosporium* present in the indoor sample originated from indoor sources. A high rating indicates that there is probably a source of *Cladosporium* spores in this location.

*Cladosporium* is one of the most commonly found molds outdoors and is also frequently found growing indoors. Even more so than *Penicillium* and *Aspergillus*, spores from *Cladosporium* are generally present in outdoor and indoor air, even in relatively clean, mold-growth-free, indoor environments. Its levels also vary based upon activity levels, weather conditions, dustiness, outside air exchange rates, and other factors.

**Quantity and concentration of basidiospores**

This score indicates the likelihood that basidiospores present in the indoor sample originated from indoor sources. Basidiospores are extremely common outdoors and originate from fungi in gardens, forests, and woodlands. It is rare for the source of basidiospores to be indoors because basidiospores are produced by a group of fungi that includes mushrooms and other "macrofungi" (and are not technically molds). Their concentrations can be extremely high outdoors during wet conditions such as rain. Nevertheless, in certain conditions basidiospores can be produced indoors, and a high rating indicates that there is probably a source of basidiospores indoors. One reason basidiospores are important is that they can be an indicator of wood decay (e.g. "dry rot"), a condition that can dramatically reduce the structural integrity of a building.

**Quantity and concentration of "marker" spore types**

This score indicates the likelihood that certain distinctive types of mold present in the indoor sample originated from indoor sources. Certain types of mold are generally found in very low numbers outdoors. Consequently, their presence indoors, even in relatively low numbers compared to *Penicillium*, for example, is often an indication that these molds are originating from growth indoors. When present, these mold types are often the clearest indicator of a mold problem. Note, however, that the absence of marker spore types does not mean that a mold problem does not exist in a house; it just means that if a problem is present, it either involves types of mold that are more commonly found both indoors and outdoors, or that the spores from these molds were not airborne at the time of sampling.

**Quantity and concentration of "other" spore types**

This score indicates the likelihood that other types of mold present in the indoor sample originated from indoor sources. This score includes a heterogeneous group of genera that are not covered by any of the scores discussed above, and so it is difficult to make generalizations about this group. Molds in the "other" category are generally found outdoors in moderate numbers, and are therefore not considered markers of indoor growth. They are frequently found indoors but in lower numbers compared to *Cladosporium* and *Penicillium/Aspergillus* spores.

**Other Sample Information:****Sample clarity and visibility**

Air samples collect dirt and debris in addition to mold spores. Higher levels of debris make analysis more difficult, because they obscure the analyst's view of spores and can therefore lead to undercounting of the mold spores present. When sample clarity and visibility is rated "poor", the analytical results should be regarded as minimal and actual counts may be higher than reported.

**Other "normal trapping" spores**

Some molds do not grow on wet building materials and, consequently, are not usually indicative of building problems, or growth on building surfaces. Strict plant pathogens, for example, even if present in high numbers indoors, are not an indication of a building leak or mold growth on a wall or carpet. This section of the report focuses on the exposure level that may be due to these spore types.

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EMLab ID: 2383286, Page 24 of 36

**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

Date of Receipt: 03-31-2020

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**MoldREPORT**

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**Understanding Your Air Sample Analysis Results (continued)**

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**Sample volume**

The "sample volume" indicates the volume of air sampled and is reported in liters. A high volume indicates a greater sensitivity, but is more likely to result in poor sample clarity and visibility. A low volume is more likely to have good sample clarity and visibility, but has less sensitivity.

**Comments**

This is where analysts can comment on unusual details or add additional information that is not captured by the other areas of the air sampling report.

**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

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**Interpretive Guidelines to MoldSCORE™ Levels**

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**MoldSCORE™ Level: LOW**

A low MoldSCORE™ indicates the air sample did not detect, relative to the outside air, the presence of indoor mold growth in this room at the time of sampling. This result, by itself, is evidence for, but does not prove, the absence of indoor mold growth in the location sampled.

Mold is a living organism that can grow very rapidly under certain conditions. If any portion of the room tested is, or has been, damp for an extended period since the time of testing, the likelihood of mold growth may have increased substantially since the time of the inspection.

**MoldSCORE™ Level: MODERATE**

The air sampling MoldSCORE™ indicated the possibility of mold growth indoors. Generally, a MODERATE level means that the results are inconclusive, and suggests that a more detailed inspection may make sense if there are any other reasons to believe that mold growth could be a problem in this location. Indoor mold growth is a possibility, but was not confirmed in the areas sampled at the time of the inspection. Factors such as recent cleaning, HVAC cycles, high winds, rain, or other indoor or outdoor conditions could have contributed to a MODERATE result in the absence of indoor mold growth. If mold growth is found, regardless of the magnitude of the growth, it is recommended that the growth be physically removed using appropriate controls and precautions. If mold has been located and removed, it is also important to identify and correct the source of moisture or dampness that allowed the mold to grow. If the affected area becomes moist again, mold growth will occur again. We recommend that you consult a professional if you are not familiar with how to locate and safely remove mold growth or how to identify and correct moisture problems that may exist.

Mold is a living organism that can grow very rapidly under certain conditions. If any portion of the room tested is, or has been, damp for an extended period since the time of testing, the likelihood of mold growth may have increased substantially since the time of the inspection.

**MoldSCORE™ Level: HIGH**

The air sampling MoldSCORE™ indicated a high likelihood of mold growth in the area tested at the time of the inspection. This result is NOT necessarily an indication that any such mold growth was extensive. If mold growth is found, regardless of the magnitude of the growth, it is recommended that the growth be physically removed using appropriate controls and precautions. If mold has been located and removed, it is also important to identify and correct the source of moisture or dampness that allowed the mold to grow. If the affected area becomes moist again, mold growth will occur again. We recommend that you consult a professional if you are not familiar with how to locate and safely remove mold growth or how to identify and correct moisture problems that may exist.

**Health concerns**

Neither this report nor any MoldSCORE™ rating is intended to provide medical advice, nor shall it be interpreted as an indicator of potential medical or safety problems. If you have concerns or questions relating to your health, please contact your physician for advice.

**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

Date of Receipt: 03-31-2020

Date of Report: 04-02-2020

**MoldREPORT**

Eurofins EMLab P &amp; K

3929 Old Lee Highway, Suite 91C, Fairfax, VA 22030

(866) 871-1984 Fax (856) 334-1040

**Detailed Results of Surface Sample Analysis**

Location:	B2030014: Wall Growth - Room #6
Lab ID-version:‡	11365342-1
Sample Type:	Tape sample

Mold growth present*: Low=small amounts of mold growth present High=large amounts of mold growth present	No growth found	Low			High
Acremonium species					
Alternaria species					
Aspergillus species					
Aureobasidium species					
Chaetomium species					
Cladosporium species					
Penicillium species					
Penicillium/Aspergillus group					
Stachybotrys species					
Trichoderma species					
Ulocladium species					

Miscellaneous spores present: Indicative of normal conditions**	Very few
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Background debris:	Light
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Other comments:	None
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\* Quantities of molds seen growing are graded Low to High with High denoting the highest numbers.

\*\* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

‡A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".  
The limit of detection is Low when mold growth is detected.

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EMLab P&K, LLC

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**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

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(866) 871-1984 Fax (856) 334-1040

**Detailed Results of Surface Sample Analysis**

Location:	B2030711: Wall Growth - Kitchen/Bar Hallway
Lab ID-version:‡	11365343-1
Sample Type:	Tape sample

Mold growth present*: Low=small amounts of mold growth present High=large amounts of mold growth present	No growth found	Low			High
Acremonium species					
Alternaria species					
Aspergillus species					
Aureobasidium species					
Chaetomium species					
Cladosporium species					
Penicillium species					
Stachybotrys species					
Trichoderma species					
Ulocladium species					

Miscellaneous spores present: Indicative of normal conditions**	Very few
--	----------

Background debris:	Light
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Other comments:	None
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\* Quantities of molds seen growing are graded Low to High with High denoting the highest numbers.

\*\* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

‡A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".  
The limit of detection is Low when mold growth is detected.

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## Understanding Your Surface Sample Analysis Results

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**Analysis by direct microscopic examination**

Each surface sample was analyzed by direct microscopic examination. This method of analysis is an effective means of determining whether or not mold is growing on the surface sampled, and if so, what kinds of molds are present. A direct microscopic examination, in the absence of evidence of growth on the surface sampled, may also occasionally pick up indications of mold growth in the vicinity based upon the mix of spore types present in the sample. Most surfaces collect a mix of spores that are normally present in the environment. At times it is possible to note a skewing of the normal distribution of spore types, and also to note marker genera that may indicate indoor mold growth. Note that locating an area of mold growth indoors using surface samples does not provide information regarding airborne spore levels.

**Mold growth present**

Samples are examined for the presence of mold growth, as indicated by groups, clumps, and/or chains of single spore types, usually accompanied by intact mycelial and/or sporulating structures. These areas of growth are then identified to genus name, if possible. Quantities are estimated and are graded on a scale from "Low" to "High," with "High" denoting the highest amount.

If mold growth is found, regardless of the magnitude of the growth, it is recommended that the growth be physically removed using appropriate controls and precautions. If mold has been located and removed, it is also important to identify and correct the source of moisture or dampness that allowed the mold to grow. If the affected area becomes moist again, mold growth will occur again. We recommend that you consult a professional if you are not familiar with how to locate and safely remove mold growth or how to identify and correct moisture problems that may exist.

**Miscellaneous spores present**

This is a measure of the mix of spores that are present and are indicative of normal conditions, in other words, seen normally on surfaces almost everywhere. This includes basidiospores (mushroom spores), myxomycetes ("slime molds"), plant pathogens such as rusts and smuts, and a mix of saprobic mold with no particular spore type predominating. The distribution of these spore types resembles that seen outdoors.

**Background debris**

Background debris is an indication of the amounts of non-biological particulate matter present. This background material is graded and described as light, medium, heavy, or very heavy. Very heavy background debris may obscure visibility for the analyst. Bulk samples are not graded in this category.

**Other comments**

Additional relevant information is provided, such as the presence of marker genera or the abnormal distribution of spore types. Bacteria may be noted, as well as significant numbers of other biological particles such as algae, lichen, dust mites, etc. In addition, when deemed to be helpful, non-biological particles are also described.

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**Important Information, Terms and Conditions Relating to your MoldREPORT™**

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The study and understanding of molds is a progressing science. Because different methods of sampling, collection and analysis exist within the indoor air quality industry, different inspectors or analysts may not always agree on the mold concentrations present in a given environment. Additionally, the airborne levels of mold change frequently and by large amounts due to many factors including activity levels, weather, air exchange rates (indoors), and disturbance of growth sites. It is possible for report interpretations and ranges of accuracy to vary since comprehensive, generally accepted industry standards do not currently exist for indoor air quality inspections of mold in residential indoor environments. MoldREPORT™ is intended to provide an analysis based upon samples taken at the site at the time of the inspection. Mold levels can and do change rapidly, especially if home building materials or contents remain wet for more than 24 hours, or if they are wet frequently. MoldREPORT™ is not intended to provide medical or healthcare advice. All allergy or medical-related questions and concerns, including health concerns relating to possible mold exposure, should be directed to a qualified physician. If this report indicates scores that are higher than in typical indoor living spaces relative to the outdoor environment, or indicates any findings that are of concern to you, further evaluation by a trained mold professional or a Certified Industrial Hygienist (CIH) may be advisable.

**Warranties, legal disclaimers and limitations**

MoldREPORT™ is designed and intended for use only in residential home inspections to help in the assessment of mold growth in the living areas sampled. Our laboratory analysis and report are based on the samples submitted to Eurofins EMLab P&K. The inspection(s) and sampling should be performed only by a licensed and professional home inspector, environmental mold specialist, industrial hygienist or residential appraiser trained and qualified to conduct mold inspections in residential buildings. Client agrees to these conditions for the on-site project inspection.

This MoldREPORT™ is generated by Eurofins EMLab P&K at the request of, and for the exclusive use of, the Eurofins EMLab P&K client named on this report. The analysis of the test samples is performed by Eurofins EMLab P&K. Eurofins EMLab P&K's policy is that reports and test results will not be released to any third party without prior written consent from Eurofins EMLab P&K's client. This report applies only to the samples taken at the time, place and location referenced in the report and received by Eurofins EMLab P&K, and to the property and weather conditions existing at that time only. Please be aware, however, that property conditions, inspection findings and laboratory results can and do change over time relative to the original sampling due to changing conditions, the normal fluctuation of airborne mold, and many other factors. Client and reader are advised that Eurofins EMLab P&K does not furnish, and has no responsibility for, the inspector or inspection service that performs the inspection or collects the test samples. It is the responsibility of the end-user of this report to select a properly trained professional to conduct the inspection and collect appropriate samples for analysis and interpretation by MoldREPORT™. None of Eurofins EMLab P&K, Eurofins EMLab P&K or their affiliates, subsidiaries, suppliers, employees, agents, contractors and attorneys (each an "Eurofins EMLab P&K-related party") are able to make and do not make any determinations as to the safety or health condition of a property in this report. The client and client's customer are solely responsible for the use of, and any determinations made from, this report, and no Eurofins EMLab P&K-related party shall have any liability with respect to decisions or recommendations made or actions taken by either the client or the client's customer based on the report.

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In no event will any Eurofins EMLab P&K-related party be liable for any special, indirect, incidental, punitive, or consequential damages of any kind regardless of the form of action whether in contract, tort (including negligence), strict product liability or otherwise, arising from or related to the testing services or this report. The aggregate liability of the Eurofins EMLab P&K-related parties related to or arising from this report, whether under contract law, tort law, warranty or otherwise, shall be limited to direct damages not to exceed the fees actually received by Eurofins EMLab P&K from the client for the report.

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**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

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## Scope and Limitations of Report and Analysis

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The scope of the MoldREPORT™ system is limited to Eurofins EMLab P&K's proprietary MoldSCORE™ analysis of the air and surface samples taken at the time of the inspection. Eurofins EMLab P&K cannot be liable, in any form of action, for any items that are not included within the scope of the MoldREPORT™ system.

### MoldREPORT™ Inspection Limitations

MoldREPORT™ results are based upon mold air and surface samples. Mold surface samples are useful for confirming and identifying mold growth while air samples measure airborne mold levels.

This report provided by Eurofins EMLab P&K is based upon the assumption that the information provided by the inspector is true and correct, that a sufficient number of mold and air samples were collected at all the appropriate locations following proper inspection and sampling protocols, and that the mold samples collected represent normal conditions at the site sampled. Eurofins EMLab P&K is not able to, and cannot, guarantee the skill level or experience of the inspector performing the MoldREPORT™ inspection, nor can it guarantee that the samples have been properly collected at the site or are representative of normal conditions since many factors outside of Eurofins EMLab P&K's (and the inspector's) control can and do substantially affect mold levels. Consequently, Eurofins EMLab P&K cannot guarantee the accuracy of the interpretation provided herein. It is the responsibility of the inspector to insure that the mold samples were collected properly. MoldREPORT™ relies on non-invasive and non-destructive tests, so it cannot guarantee that hidden mold problems will be detected and reported. MoldREPORT™ results apply only to the rooms sampled, not to the entire building or any other rooms. It is the responsibility of the property owner, potential purchaser or other end-user of this report to select a properly trained and qualified inspector.

### About Air Sample Sampling and Analysis

Eurofins EMLab P&K requires at least one outdoor air sample and one indoor air sample in order to make indoor/outdoor comparisons and assessments of airborne mold levels, which are an integral part of the Eurofins EMLab P&K MoldREPORT™ system. The indoor air samples taken can be representative of the airborne mold present in the area sampled. The analysis and interpretation of these air samples is proprietary and is based upon: relative levels of spores present, quantities and concentration of *Penicillium/Aspergillus* type spores, quantity and concentration of *Cladosporium* spores, quantity and concentration of basidiospores, quantity and concentration of "marker" spore types, quantity and concentration of "other" spore types, and the distribution of mold spore types. Spore identification is performed visually by trained analysts according to industry norms. Using visual identification, most mold spores lack sufficient distinguishing characteristics to allow for species identification, so the MoldREPORT™ analysis is generally performed at the genus level. Currently there are no generally-accepted protocols or regulations regarding air sampling for molds, in large part due to the inability of any single technique to provide a complete analysis of all mold spores and mold growth in an area. Air sampling for MoldREPORT™ can be performed using any standard "spore trap" method, which are also called "non-viable air sampling methods" because spore traps do not require the germination and growth of the spores before identification. Commonly used spore trap equipment for performing air sampling for mold includes Zefon Air-O-Cell™ Cassettes, Burkard™ samplers, and Allergenco™ samplers.

### About Surface Sampling and Analysis

Surface sampling can be useful for differentiating between mold growth and stains, for identifying the type of mold growth present (if present), and, in some cases, identifying signs of mold growth in the vicinity. Although not required, surface sampling can improve the accuracy of the results and interpretation of the inspected environment if sampled correctly. Eurofins EMLab P&K accepts surface samples in the form of swabs, tapes, or bulks in order to perform a direct examination of a specific location. The MoldREPORT™ analysis system uses the direct examination data in addition to the MoldREPORT™ air sample analysis.

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## Glossary

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**Background Debris** - Material(s) found on the air sample other than mold spore(s) or mycelia. Examples include skin cells, insect parts, and fibers.

**False Positive** - A test result that incorrectly indicates mold growth, when in reality there is none. For example, an air sample test result indicating indoor mold growth, when no mold growth is actually present is a "False Positive."

**False Negative** - A test result that shows no mold growth, when in reality mold growth is present. For example, an air sample test result indicating no indoor mold growth, when mold growth is actually present.

**Fungi** - A kingdom that includes yeasts, molds, smuts, and mushrooms. Fungi are not animals, plants or bacteria, but their own kingdom.

**HVAC** - Heating, Ventilation, and Air Conditioning (HVAC) systems are possible reservoirs for mold growth.

**IAQ** - Indoor Air Quality (IAQ) is the main focus of Eurofins EMLab P&K and the majority of its customers.

**Industrial Hygienist** - A professional who monitors exposure to environmental factors that can affect human health. Examples of environmental factors include chemicals, heat, asbestos, noise, radiation, and biological hazards.

**Marker Spores** - Spore types, such as *Chaetomium* and *Stachybotrys*, that when found indoors, even in moderate numbers are an indication of indoor mold growth.

**Note:** This glossary is intended to provide general information about commonly occurring molds, and is not intended to be a complete source.

***Alternaria:***

**Distribution:** *Alternaria* is one of the most common molds and is abundant worldwide. This genus contains around 40 to 50 different species, only a few of which are commonly found indoors.

**How it is spread:** *Alternaria* spores are easily dispersed through the air by wind.

**Where it is found outdoors:** *Alternaria* is common outdoors in soil, dead organic debris, foodstuffs, and textiles. It is also a plant pathogen and is frequently found on dead or weakened plants.

**Where it is found indoors:** *Alternaria* can grow on a variety of substrates indoors when moisture is present.

***Acremonium:***

**Distribution:** *Acremonium* is a common mold, including about 80 to 90 different species.

**How it is spread:** *Acremonium* produces wet slimy spores and is normally dispersed through water flow or droplets, or by insects. Old dry *Acremonium* spores can sometimes be dispersed through the air by wind.

**Where it is found outdoors:** *Acremonium* is found in soil, on dead organic material and debris, hay, and foodstuffs.

**Where it is found indoors:** *Acremonium* can be found anywhere indoors, but requires very wet conditions in order to proliferate. The spores probably require active disturbance for release.

***Aspergillus:*** (see *Penicillium/Aspergillus*)

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**Glossary (continued)**

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**Basidiospores:**

**Distribution:** Basidiospores are produced by a very large and diverse group of fungi called basidiomycetes, which contains over 1000 different genera. This group includes many well-known macrofungi, such as mushrooms. Basidiospores are often abundant in outdoor air and sometimes in indoor air.

**How they are spread:** Many types of basidiospores are actively released into the air during periods of high humidity or rain. Once the spores are expelled into the air, they are dispersed easily by wind.

**Where they are found outdoors:** Basidiomycetes are very common outdoors and can be found in gardens, forests, grasslands, and anywhere there is a substantial amount of dead organic material. They are also found on or near plants and some are known to be plant pathogens.

**Where they are found indoors:** Basidiospores found indoors typically come from outdoor sources and are carried inside by airflow or on clothing. Certain kinds of basidiomycetes can grow indoors, such as those that cause "dry rot", which can cause structural damage to wood. Occasionally, other basidiomycetes such as mushrooms can be found indoors, but this is not common. Generally, basidiomycetes require wet conditions for prolonged periods in order to grow indoors.

***Bipolaris / Dreschlera:***

**Distribution:** *Bipolaris* and *Dreschlera* are two separate genera of molds that are so visually similar that they are commonly discussed together as a group. Both genera include around 30 - 40 different species.

**How they are spread:** *Bipolaris / Dreschlera* spores are easily dispersed through the air by wind.

**Where they are found outdoors:** *Bipolaris / Dreschlera* type spores are most abundant in tropical or subtropical climates. They can grow in soils, on plant debris and grasses, and are known to be plant pathogens.

**Where they are found indoors:** *Bipolaris / Dreschlera* can grow on a variety of indoor substrates when moisture is present.

***Ceratocystis / Ophiostoma:***

**Distribution:** *Ceratocystis / Ophiostoma* are two separate genera of molds that are so visually similar that they are commonly discussed together as a group. These genera contain around 50 to 60 different species.

**How they are spread:** *Ceratocystis / Ophiostoma* produce wet slimy spores and are normally dispersed through water flow, droplets, or by insects. These spores are rarely identified in air samples.

**Where they are found outdoors:** *Ceratocystis / Ophiostoma* are very common in commercial lumberyards and forests.

**Where they are found indoors:** *Ceratocystis / Ophiostoma* are abundant on wood framing material in the home, although the spores are rarely found in air samples. This mold is sometimes called "lumber mold".

***Chaetomium:***

**Distribution:** *Chaetomium* is a common mold worldwide. This genus contains around 80 - 90 different species.

**How it is spread:** *Chaetomium* spores are formed inside fruiting bodies. The spores are released by being forced out through a small opening in the fruiting body. The spores are then dispersed by wind, water drops, or insects.

**Where it is found outdoors:** *Chaetomium* can be found in soil, on various seeds, cellulose substrates, dung, woody materials and straw.

**Where it is found indoors:** *Chaetomium* can grow in a variety of areas indoors, but is usually found on cellulose-based or woody materials in the home. It is very common on sheetrock paper that is or has been wet.

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**Glossary (continued)**

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***Cladosporium:***

**Distribution:** *Cladosporium* is an abundant mold worldwide and is normally one of the most abundant spore types present in both indoor or outdoor air samples. This genus contains around 20 - 30 different species.

**How it is spread:** *Cladosporium* produces dry spores that are formed in branching chains. Spores are released by twisting of the spore-bearing hyphae as they dry. Thus, the spores are most abundant in dry weather.

**Where it is found outdoors:** *Cladosporium* is found in a wide variety of soils, in plant litter, and on old and decaying plants and leaves. Some species are plant pathogens

**Where it is found indoors:** *Cladosporium* can be found anywhere indoors, including textiles, bathroom tiles, wood, moist windowsills, and any wet areas in a home. Some species of *Cladosporium* grow at temperatures near or below 0(C) / 32(F) and can often be found on refrigerated foodstuffs and even frozen meat.

***Curvularia:***

**Distribution:** *Curvularia* is a cosmopolitan fungus and includes approximately 30 different species.

**How it is spread:** *Curvularia* produces dry spores that are formed in fragile chains and is very easily dispersed through the air by wind.

**Where it is found outdoors:** *Curvularia* is most common in tropical or subtropical regions. It is found in soil and on debris of tropical plants.

**Where it is found indoors:** *Curvularia* can be found growing on a variety of substrates indoors.

***Epicoccum:***

**Distribution:** *Epicoccum* is a cosmopolitan mold that includes only two species.

**How it is spread:** *Epicoccum* produces large dry spores that are easily dispersed through the air by wind.

**Where it is found outdoors:** *Epicoccum* can be found in soils or on plant debris.

**Where it is found indoors:** *Epicoccum* is commonly found on many different substrates indoors including paper, textiles, and insects.

***Memmoniella:***

**Distribution:** *Memmoniella* is a cosmopolitan mold genus that includes approximately five species. It is frequently found in conjunction with *Stachybotrys* species due to its similar ecological preferences.

**How it is spread:** *Memmoniella* produces dry spores that are easily dispersed through the air by wind.

**Where it is found outdoors:** *Memmoniella* can be found outdoors in soil, in plant debris or litter, and as pathogens on some types of living plants.

**Where it is found indoors:** *Memmoniella* can grow on a variety of substrates indoors, but mainly can be found on wet cellulose-based materials, such as wallboard, jute, wicker, straw baskets, paper and other wood by-products.

***Paecilomyces:***

**Distribution:** *Paecilomyces* is ubiquitous in nature and includes between 9 and 30 different species, depending on the taxonomic system used. Its spores are visually similar to *Penicillium* / *Aspergillus* types of spores.

**How it is spread:** *Paecilomyces* produce dry spores that are easily dispersed through the air by wind.

**Where it is found outdoors:** *Paecilomyces* is found outdoors in soils and decaying plant matter, composting processes, legumes and cottonseeds. Some species parasitize insects.

**Where it is found indoors:** *Paecilomyces* can be found on a number of materials indoors. It has been isolated from jute fibers, papers, PVC, timber, optical lenses, leather, photographic paper, cigar tobacco, harvested grapes, bottled fruit, and fruit juice undergoing pasteurization.

**Client: Mountain Environmentals, LLC**

Contact: Mr. Mark Brown

Project: The Jarrett House - 518 Haywood Road - Dillsboro, NC; 19

Air Samples, 2 Tape Samples

Date of Sampling: 03-27-2020

Date of Receipt: 03-31-2020

Date of Report: 04-02-2020

**MoldREPORT**

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**Glossary (continued)**

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***Penicillium / Aspergillus:***

**Distribution:** *Penicillium / Aspergillus* are two separate genera of molds that are so visually similar that they are commonly discussed together as a group. Together, there are approximately 400 different species of *Penicillium / Aspergillus*.

**How it is spread:** *Penicillium / Aspergillus* produce dry spore types that are easily dispersed through the air by wind. These fungi serve as a food source for mites, and therefore can be dispersed by mites and various insects as well.

**Where it is found outdoors:** *Penicillium / Aspergillus* are found in soils, decaying plant debris, compost piles, fruit rot and some petroleum-based fuels.

**Where it is found indoors:** *Penicillium / Aspergillus* are found throughout the home. They are common in house dust, growing on wallpaper, wallpaper glue, decaying fabrics, wallboard, moist chipboards, and behind paint. They have also been isolated from blue rot in apples, dried foodstuffs, cheeses, fresh herbs, spices, dry cereals, nuts, onions, and oranges.

***Stachybotrys:***

**Distribution:** *Stachybotrys* is ubiquitous in nature. This genus contains about 15 species.

**How it is spread:** *Stachybotrys* produces wet slimy spores and is commonly dispersed through water flow, droplets, or insect transport, less commonly through the air.

**Where it is found outdoors:** *Stachybotrys* is found in soils, decaying plant debris, decomposing cellulose, leaf litter and seeds.

**Where it is found indoors:** *Stachybotrys* is common indoors on wet materials containing cellulose such as wallboard, jute, wicker, straw baskets, and other paper materials.

***Torula:***

**Distribution:** *Torula* is a cosmopolitan microfungus and includes approximately eight different species

**How it is spread:** *Torula* produces dry spores that are easily dispersed through the air by wind.

**Where it is found outdoors:** *Torula* is most common in temperate regions and has been isolated from soils, dead herbaceous stems, sugar beet roots, groundnuts, and oats.

**Where it is found indoors:** *Torula* is common indoors on wet materials containing cellulose, such as wallboard, jute, wicker, straw baskets, and other paper materials.

***Ulocladium:***

**Distribution:** *Ulocladium* is ubiquitous in nature and includes approximately nine different species.

**How it is spread:** *Ulocladium* produces dry spores that are easily dispersed through the air by wind.

**Where it is found outdoors:** *Ulocladium* is common outdoors in soils, dung, paint, grasses, wood, paper, and textiles.

**Where it is found indoors:** *Ulocladium* is common indoors on very wet materials containing cellulose such as wallboard, jute, wicker, straw baskets, and other paper materials. *Ulocladium* requires a significant amount of water to flourish.

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**References and Resources**

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*Bioaerosols*, Harriet Burge, Ph.D. 1995. Lewis Publishers, 2000 Corporate Blvd., N.W., Boca Raton, FL 33431-9868.

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*Fungi and Bacteria in Indoor Air Environments: Health Effects, Detection and Remediation*, Proceedings from the International Conference, Saratoga Springs, NY October 6-7, 1994.

*Health Implications of Fungi in Indoor Environments*, Edited by R.A. Samson. 1994. Elsevier Science, P.O. Box 945, Madison Square Station, New York, NY 10159-0945.

*Indoor Air and Human Health*, Gammage & Kaye. 1985. Lewis Publishers.

*Microfungi*, S.G. Gravesen, J.C. Frisvad, & R.A. Samson, published by Munksgaard.

**Useful Websites:**

[www.acgih.org](http://www.acgih.org)

American Conference of Governmental Industrial Hygienists - information on IAQ and useful links.

[www.aiha.org](http://www.aiha.org)

American Industrial Hygiene Association - general IAQ information

[www.calepa.ca.gov](http://www.calepa.ca.gov)

California Environmental Protection Agency - California IAQ resources

[www.emlab.com](http://www.emlab.com)

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[www.epa.gov](http://www.epa.gov)

Environmental Protection Agency - information regarding prevention and remediation of mold

[www.health.state.ny.us](http://www.health.state.ny.us)

New York State Department of Health - New York state recommendations for IAQ, indoor mold inspections, remediation, and prevention

[www.moldreport.com](http://www.moldreport.com)

MoldREPORT™ - online store, and other information about MoldREPORT™

[www.nih.gov](http://www.nih.gov)

National Institutes of Health - information regarding environmental health issues, including IAQ

[www.niehs.nih.gov](http://www.niehs.nih.gov)

National Institute of Environmental Health Sciences - information on mold

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