Certificate of Analysis
AIHA LAP Lab ID # 102977

Building Sciences
43760 Trade Center Place, Suite 100
Sterling, VA 20166
(877) 648-9150

ECS Mid Atlantic, LLC
14026 Thunderbolt Place
Chantilly VA, 20151
Attn: William Sargent
Project: **47:11652-W2:84 Minnie Howard Classroom 1200 Mold**
Condition of Sample(s) Upon Receipt: Acceptable unless noted otherwise

Date Collected: 02/17/2026
Date Received: 02/17/2026
Date Analyzed: 02/17/2026
Date Reported: 02/17/2026
Project ID: 26005461

1054 Spore Trap Analysis SOP 3.8: Same Day TAT

Client Sample #	MH-01				Out 1			
Sample Location	Classroom 1200				Outdoors			
Sample Volume (L)	150				150			
Lab Sample #	26005461-002				26005461-001			
Spore Identification	RawCt	spr/m^3	%Ttl	I/O	RawCt	spr/m^3	%Ttl	I/O
ascospores	-	-	-	-	4	107	6	-
basidiospores	1	27	50	1/60	60	1,600	93	-
Curvularia	1	7	13	-	-	-	-	-
Smuts,Periconia,Myxomycetes	1	7	13	1/1	1	7	<1	-
Stachybotrys	2	13	25	-	-	-	-	-
	Debris Rating **3**				Debris Rating **3**			
Analytical Sensitivity	Analytical Sensitivity: **7** spr/m^3				Analytical Sensitivity: **7** spr/m^3			
Comments	Basidiospores analytical sensitivity: 27 spr/m3.				Ascospores, Basidiospores analytical sensitivity: 27 spr/m3.			
Total *See Footnotes	5	53	~100%	1/32	65	1,713	~100%	-

Client Sample #	MH-02				Out 1			
Sample Location	Hallway				Outdoors			
Sample Volume (L)	150				150			
Lab Sample #	26005461-003				26005461-001			
Spore Identification	RawCt	spr/m^3	%Ttl	I/O	RawCt	spr/m^3	%Ttl	I/O
ascospores	-	-	-	-	4	107	6	-
basidiospores	1	27	24	1/60	60	1,600	93	-
Chaetomium	2	13	12	-	-	-	-	-
Cladosporium	1	27	24	-	-	-	-	-
hyphal elements	3	20	18	-	-	-	-	-
Penicillium/Aspergillus group	1	27	24	-	-	-	-	-
Smuts,Periconia,Myxomycetes	-	-	-	-	1	7	<1	-
	Debris Rating **3**				Debris Rating **3**			
Analytical Sensitivity	Analytical Sensitivity: **7** spr/m^3				Analytical Sensitivity: **7** spr/m^3			
Comments	Basidiospores, Cladosporium, Penicillium/Aspergillus group analytical sensitivity: 27 spr/m3.				Ascospores, Basidiospores analytical sensitivity: 27 spr/m3.			
Total *See Footnotes	8	113	~100%	1/15	65	1,713	~100%	-

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Client Sample #	MH-03				Out 1			
Sample Location	Stairwell				Outdoors			
Sample Volume (L)	150				150			
Lab Sample #	26005461-004				26005461-001			
Spore Identification	RawCt	spr/m^3	%Ttl	I/O	RawCt	spr/m^3	%Ttl	I/O
ascospores	-	-	-	-	4	107	6	-
basidiospores	1	27	25	1/60	60	1,600	93	-
Cladosporium	1	27	25	-	-	-	-	-
Curvularia	1	7	6	-	-	-	-	-
hyphal elements	1	7	6	-	-	-	-	-
Smuts,Periconia,Myxomycetes	2	13	12	2/1	1	7	<1	-
Stachybotrys	2	13	12	-	-	-	-	-
Unknown	2	13	12	-	-	-	-	-
	Debris Rating **3**				Debris Rating **3**			
Analytical Sensitivity	Analytical Sensitivity: **7** spr/m^3				Analytical Sensitivity: **7** spr/m^3			
Comments	Basidiospores, Cladosporium analytical sensitivity: 27 spr/m3.				Ascospores, Basidiospores analytical sensitivity: 27 spr/m3.			
Total *See Footnotes	10	107	~100%	1/16	65	1,713	~100%	-

Client Sample #	Out 2				Out 1			
Sample Location	Outdoors				Outdoors			
Sample Volume (L)	150				150			
Lab Sample #	26005461-005				26005461-001			
Spore Identification	RawCt	spr/m^3	%Ttl	I/O	RawCt	spr/m^3	%Ttl	I/O
ascospores	6	160	6	2/1	4	107	6	-
basidiospores	79	2,107	84	1/1	60	1,600	93	-
Cladosporium	1	27	1	-	-	-	-	-
hyphal elements	1	7	<1	-	-	-	-	-
Penicillium/Aspergillus group	3	200	8	-	-	-	-	-
Smuts,Periconia,Myxomycetes	-	-	-	-	1	7	<1	-
	Debris Rating **3**				Debris Rating **3**			
Analytical Sensitivity	Analytical Sensitivity: **7** spr/m^3				Analytical Sensitivity: **7** spr/m^3			
Comments	Basidiospores, Cladosporium, Penicillium/Aspergillus group analytical sensitivity: 27 spr/m3.				Ascospores, Basidiospores analytical sensitivity: 27 spr/m3.			
Total *See Footnotes	90	2,500	~100%	1/1	65	1,713	~100%	-

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Footnotes and Additional Report Information

Debris Rating Table for Direct Examination of Air Samples

1	Minimal (<5%) particulate present	Reported values are minimally affected by particulate load.
2	5% to 25% of the trace occluded with particulate	Negative bias is expected. The degree of bias increases directly with the percent of the trace that is occluded.
3	26% to 75% of the trace occluded with particulate	Negative bias is expected. The degree of bias increases directly with the percent of the trace that is occluded.
4	75% to 90% of the trace occluded with particulate	Negative bias is expected. The degree of bias increases directly with the percent of the trace that is occluded.
5	Greater than 90% of the trace occluded with particulate	Quantification not possible due to large negative bias. A new sample should be collected at a shorter time interval or other measures taken to reduce particulate load.

1. Penicillium/Aspergillus group spores are characterized by their small size, round to ovoid shape, being unicellular, and usually colorless to lightly pigmented. There are numerous genera of fungi whose spore morphology is similar to that of the Penicillium/Aspergillus type. Two common examples would be Paecilomyces and Acremonium. Although the majority of spores placed in this group are Penicillium, Aspergillus, or a combination of both. Keep in mind that these are not the only two possibilities.

2. Ascospores are sexually produced fungal spores formed within an ascus. An ascus is a sac-like structure designed to discharge the ascospores into the environment, e.g. Ascobolus.

3. Basidiospores are typically blown indoors from outdoors and rarely have an indoor source. However, in certain situations a high basidiospore count indoors may be indicative of a wood decay problem or wet soil.

4. Hyphae are the vegetative mode of fungi. Hyphal elements are fragments of individual Hyphae. They can break apart and become airborne much like spores and are potentially allergenic. Hyphae in high concentration may be indicative of colonization.

5. Dash (-) in this report, under raw count column means 'not detected (ND)'; otherwise 'not applicable' (NA).

*6. The positive-hole correction factor is a statistical tool which calculates a probable count from the raw count, taking into consideration that multiple particles can impact on the same hole; for this reason the sum of the calculated counts may be less than the positive hole corrected total.

7. Due to rounding, totals may not equal 100%.

8. Analytical sensitivity for direct examination of air samples is a calculated value and based on the raw count of one spore per trace.

9. Minimum Reporting Limits (MRL) for bulks, dusts, swabs, and water samples are a calculation based on the sample size and the lowest dilution processed.

10. For samples with an air volume of < 100L, the number of significant figures in the result should be considered (2) two. For samples with air volumes between 100-999L, the number of significant figures in the result should be considered (3) three. For example, a sample with a result of 1,907 spr/m^3 from a 75L sample using significant figures should be considered 1,900. The same result of 1,907 from a 150L sample using significant figures should be considered 1,910 spr/m^3.

11. Sampling information including but not limited to air volume and sample area are provided by the customer.

***Applicable to the reported data for culture testing**

Signature Page

Results relate only to the items tested or calibrated and may be reported as rounded values. The test report shall not be reproduced, except in full, without written approval of Pace® Analytical Services, LLC. Pace® Building Sciences does not provide sampling services. Results relate to the accuracy of the information provided with the Chain of Custody and as the samples were received. Data interpretation of this report will be the responsibility of the client.

Unless qualified or notated on this report, all sample aliquots were received in conditions acceptable to perform the analysis. All method and batch quality controls are within established criteria except where addressed in report comments. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Dr. Michael Berg
Technical Director

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