



EXPANDED FUNGAL REPORT

Prepared Exclusively For

Everest Building Consulting Groups 283 Cranes Roost Blvd Suite 111 Altamonte Springs, FL 32701-3437 Phone:844-322-2946

Report Date: 6/6/2025

Project: Wesley Szanyi 226 Timbercreek Pines Cir Winter

Garden, FL

EMSL Order: 342511763

AIHA LAP, LLC.

TM

AIHA LAP, LLCEMLAP #163563



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3303 PARKWAY CENTER COURT Orlando, FL 32808

Phone: (407) 599-5887 Fax: (407) 599-9063 Web: http://www.EMSL.com Email:orlandolab@emsl.com

Attn: Travis Jacobsen

EMSL Order: 342511763 **Everest Building Consulting Groups** Customer ID: EBCG75 283 Cranes Roost Blvd Collected: 6/06/2025 Suite 111 Received: 6/06/2025 Altamonte Springs, FL 32701-3437 6/06/2025 Analyzed:

Wesley Szanyi 226 Timbercreek Pines Cir Winter Garden, FL Proj:

1. Description of Analysis

Analytical Laboratory

EMSL Analytical, Inc. (EMSL) is a nationwide, full service, analytical testing laboratory network providing Asbestos, Mold, Indoor Air Quality, Microbiological, Environmental, Chemical, Forensic, Materials, Industrial Hygiene and Mechanical Testing services since 1981. Ranked as the premier independently owned environmental testing laboratory in the nation, EMSL puts analytical quality as its top priority. This quality is recognized by many well-respected federal, state and private accrediting agencies, and assured by our high quality personnel, including many Ph.D. microbiologists and mycologists.

EMSL is an independent laboratory that performed the analysis of these samples. EMSL did not conduct the sampling or site investigation for this report. The samples referenced herein were analyzed under strict quality control procedures using state-of-the-art microbiological methods. The analytical methods used and the data presented are scientifically and legally defensible.

The laboratory data is provided in compliance with ISO-IEC 17025 guidelines for the particular test(s) requested, including any associated limitations for the methods employed. These data are intended for use by professionals having knowledge of the testing methods necessary to interpret them accurately.



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Air Samples - Spore traps:

Spore traps are commercially available sampling devices that capture airborne particles on an adhesive slide. Air is pulled through the device using a vacuum pump. Spores, as well as other airborne particles, are impacted on the collection adhesive. Using spore trap collection methods has inherent limitations. These collection methods are biased towards larger spore sizes.

Analyzed:

The analysis for total spore counts is a direct microscopic examination and does not include culturing or growing the fungi. Therefore, the results include both viable and non-viable spores. Some fungal groups produce similar spore types that cannot be distinguished by direct microscopic examination alone (i.e., Aspergillus/Penicillium, and others). Other spore types may lack distinguishing features that aid in their identification. These types are grouped into larger categories such as Ascospores or Basidiospores.

Fungal spores are identified and grouped by morphological characteristics including color, shape, septation, ornamentation, and fruiting structures (if present) which are compared to published mycological identification keys and texts. EMSL reports provide spore counts per cubic meter of air to three significant figures. Please note that each spore category is reported to three significant figures. Due to rounding and the application of three significant figures the sum of the individual spore numbers may not equal the total spore count on the report. EMSL does not maintain responsibility for final volume concentrations (counts/m3) since this volume is provided by the field collector and can not be verified by EMSL.

EMSL analyzes spore traps using phase contrast microscopy. There is a wide choice of collection devices (Air-O-Cell, Micro-5, Burkhard, etc.) on the market. Differences in analytical method may exist between spore trap devices.

Spore trap results are reported in spores per cubic meter of air. Due to the other airborne particles collected with the spores, EMSL reports a background particle density. Background density is an indication of overall particulate matter present on the sample (i.e. dust in the air). High background concentrations may obscure spores such as the Penicillium/Aspergillus group. The rating system is from 1-5 with 1 = 1 - 25% of the background obscured by material, 2 = 26 - 50%, 3 = 51 - 75%, 4 = 76% - 99%, 5 = 100% or overloaded. A background rating of 4 or higher should be regarded as a minimum count since the actual concentrations may be higher than those reported. EMSL will not be held responsible for overloading of samples. Sample volumes are left to the discretion of the company or persons conducting the fieldwork.

Skin fragment density is the percentage of skin cells making up the total background material, 1 = 1 - 25%, 2 = 26 - 50%, 3 = 51 - 75%, 4 = 76-100%. Skin fragment density is considered an indication of the general cleanliness in the area sampled. It has been estimated that up to 90% of household dust consists of dead skin cells.



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2. Analytical Results

See attached data reports and charts.



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Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

342511763

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	342511763-0001 6479350 75 Guest Bath		342511763-0002 6479372 75 Laundry		342511763-0003 6474112 75 M Bath				
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	<u> </u>	· -	- '	-	-	-	-	<u> </u>
Ascospores	4	200	20.8	1	40	9.5	2	90	34.6
Aspergillus/Penicillium++	1	40	4.2	2	90	21.4	1	40	15.4
Basidiospores	15	660	68.8	4	200	47.6	2	90	34.6
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	1	40	15.4
Cladosporium	1	40	4.2	2	90	21.4	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	1*	10*	1	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	1*	10*	1	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Total Fungi	23	960	100	9	420	100	6	260	100
Hyphal Fragment	-	-	-	2	90	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	1	40	-	1	40	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	2	-	-	2	-
Background (1-5)	-	2	-	-	2	-	-	2	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category

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

Yessica Martinez Seeman, Florida Microbiology Regional Manager

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Initial report from: 06/06/2025 15:51:03

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Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

342511763

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	3	42511763-0004 6479168 75 Control							
Spore Types	Raw Count	Count/m³	% of Total	-	_	-	-	_	_
Alternaria (Ulocladium)	- '	-	<u> </u>	-		-	-	-	<u> </u>
Ascospores	56	2400	20.2	-		-	-		
Aspergillus/Penicillium++	-	-	-	-		-	-		
Basidiospores	198	8640	72.5	-		-	-		
Bipolaris++	-	-	-	-		-	-		
Chaetomium++	-	-	-	-		-	-		
Cladosporium	10	440	3.7	-		-	-		
Curvularia	-	-	-	-		-	-		
Epicoccum	-	-	-	-		-	-		
Fusarium++	-	-	-	-		-	-		
Ganoderma	-	-	-	-		-	-		
Myxomycetes++	1	40	0.3	-		-	-		
Pithomyces++	-	-	-	-		-	-		
Rust	-	-	-	-		-	-		
Scopulariopsis/Microascus	2	90	0.8	-		-	-		
Stachybotrys/Memnoniella	-	-	-	-		-	-		
Unidentifiable Spores	-	-	-	-		-	-		
Zygomycetes	-	-	-	-		-	_		
Pyricularia	8	300	2.5	-		-	-		
Total Fungi	275	11910	100	-		-	-		
Hyphal Fragment	5	200	-	-		-	-		
Insect Fragment	-	-	-	-		-	-		
Pollen	-	-	-	-		-	-		
Analyt. Sensitivity 600x	-	44	-	-		-	-		
Analyt. Sensitivity 300x	-	13*	-	-		-	-		
Skin Fragments (1-4)	-	2	-	-		-	-		
Fibrous Particulate (1-4)	-	1	-	-					
Background (1-5)	-	2	-	-		-	-		

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category

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

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EBCG75

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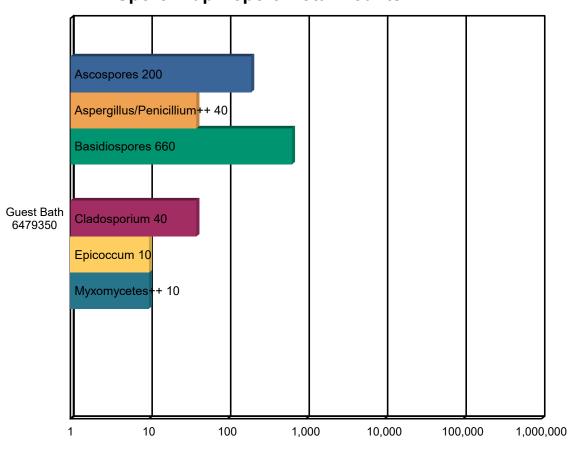
Everest Building Consulting Groups 283 Cranes Roost Blvd

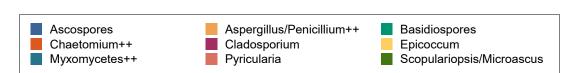
Suite 111

Altamonte Springs, FL 32701-3437

Wesley Szanyi 226 Timbercreek Pines Cir Winter Garden, FL

Spore Trap Report: Total Counts





Spore Counts per m3

^{*} The chart is displayed using a logarithmic scale. Bar size is not directly proportional to the number of spores.



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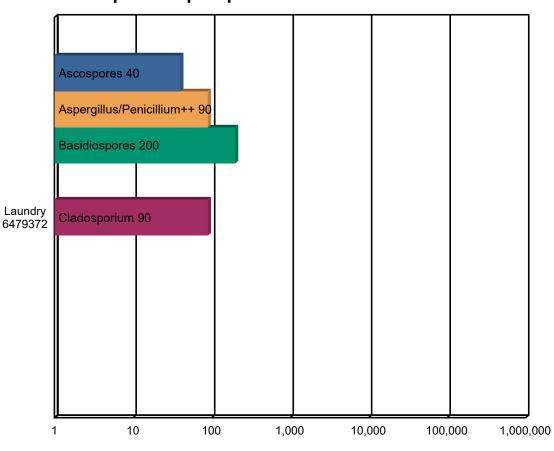
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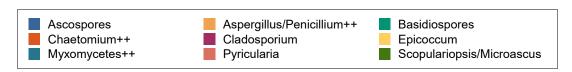
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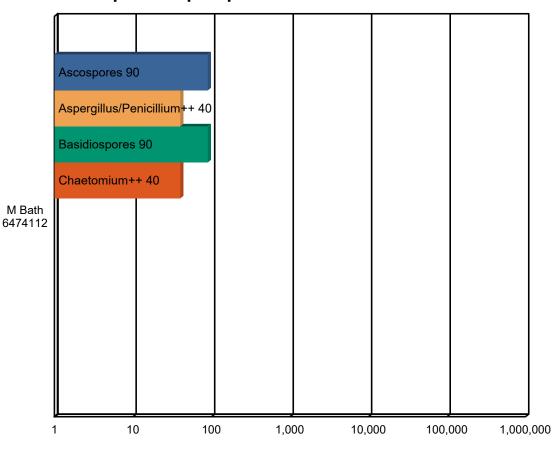
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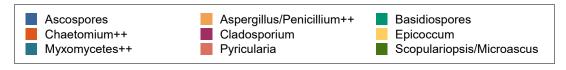
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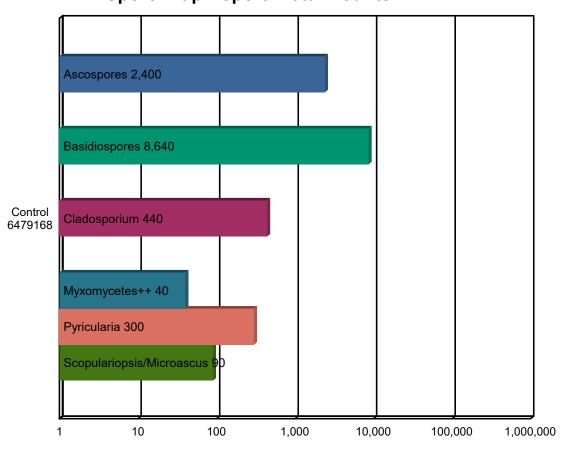
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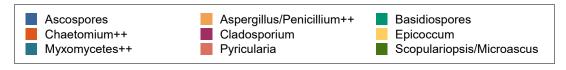
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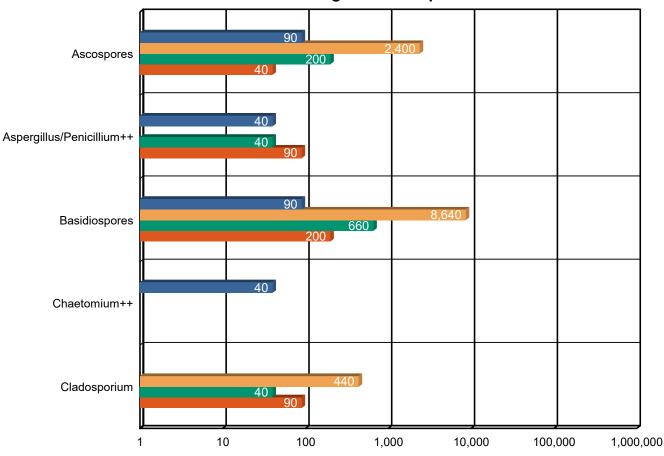
Altamonte Springs, FL 32701-3437

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EMSL Order: 342511763 Customer ID: EBCG75 Collected: 6/06/2025 Received: 6/06/2025

Analyzed: 6/06/2025

Background Comparison Chart



Spore Counts per m3



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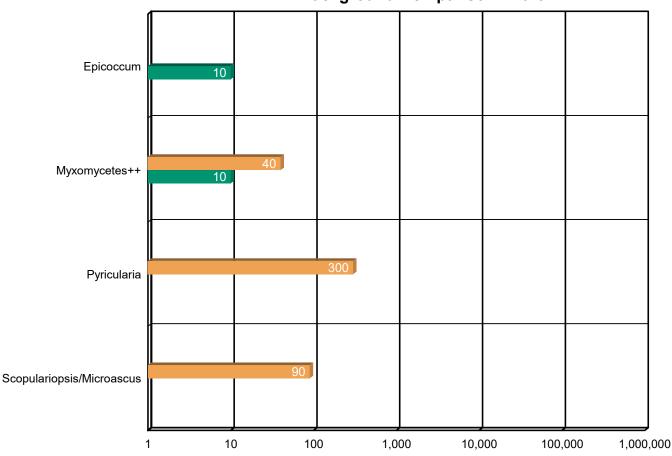
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Background Comparison Chart



Spore Counts per m3



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> Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Swab Samples (Test Code M113 – EMSL Method M113)

342511763

Lab Sample Number:		342511763-0005			est code Will			<i>'</i>	
Client Sample ID:		S1							
Area Sampled:		1							
Sample Location:	La	undry East Dryw	all						
Spore Types		Count/in ²	% of Total	_	_	-	_	-	
Alternaria (Ulocladium)	-	-	-	_	-	-	-	-	-
Ascospores	-	-	-	-			-		
Aspergillus/Penicillium++	-	-	-	-			-		
Basidiospores	-	-	-	-			-		
Bipolaris++	-	-	-	-			-		
Chaetomium++	17	1700	<0.1	-			-		
Cladosporium	-	-	-	-					
Curvularia	-	-	-	-					
Epicoccum		-	-	-					
Fusarium++	-	-	-	-					
Ganoderma	-	-	-	-					
Myxomycetes++	-	-	-	-					
Pithomyces++		-	-	-			-		
Rust		-	-	-			-		
Scopulariopsis/Microascus		-	-	-			-		
Stachybotrys/Memnoniella		*24200*	0.0	-			-		
Unidentifiable Spores		-	-	-			-		
Zygomycetes		-	-	-			-		
Aspergillus		*16.0 M*	100.0	-			-		
Total Fungi		16.0 M	100.0	-			-		
Hyphal Fragment		-	-	-			-		
Insect Fragment	-	-	-	-			-		
Pollen	-	-	-	-			-		
Fibrous Particulate		-	-	-			-		
Analyt. Sensitivity	-	100	-						

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

High background particulate: A high level of background particulate can obscure fungal matter and lead to underestimation or failure to detect

- ++ = Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.
- = Sample contains fruiting structures and/or hyphae associated with the spores.

= Not detected.

Yessica Martinez Seeman, Florida Microbiology Regional Manager

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Samples analyzed by EMSL Analytical, Inc. Orlando, FL AIHA LAP, LLC-EMLAP Accredited #163563

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3. Understanding the Results

EMSL Analytical, Inc. is an independent laboratory, providing unbiased and scientifically valid results. These data represent only a portion of an overall IAQ investigation. Visual information and environmental conditions measured during the site assessment (humidity, moisture readings, etc.) are crucial to any final interpretation of the results. Many factors impact the final results; therefore, result interpretation should only be conducted by qualified individuals. The American Conference of Governmental Industrial Hygienists (ACGIH) has published a good reference book covering sampling and data interpretation. It is entitled, Bioaerosols: Assessment and Control, 1999.

Analyzed:

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EBCG75

6/06/2025

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Fungal spores are found everywhere. Whether or not symptoms develop in people exposed to fungi depends on the nature of the fungal material (e.g., allergenic, toxic, or infectious), the exposure level, and the susceptibility of exposed persons. Susceptibility varies with the genetic predisposition (e.g., allergic reactions do not always occur in all individuals), age, pre-existing medical conditions (e.g., diabetes, cancer, or chronic lung conditions), use of immunosuppressive drugs, and concurrent exposures. These reasons make it difficult to identify dose/response relationships that are required to establish "safe" or "unsafe" levels (i.e., permissible exposure limits).

It is generally accepted in the industry that indoor fungal growth is undesirable and inappropriate, necessitating removal or other appropriate remedial actions. The New York City guidelines and EPA guidelines for mold remediation in schools and commercial buildings define the conditions warranting mold remediation. Always remember that water is the key. Preventing water damage or water condensation will prevent mold growth.

This report is not intended to provide medical advice or advice concerning the relative safety of an occupied space. Always consult an occupational or environmental health physician who has experience addressing indoor air contaminants if you have any questions.



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EMSL Order:

342511763

Attn: Travis Jacobsen

Everest Building Consulting Groups

283 Cranes Roost Blvd

Collected: 6/06/2025

Suite 111

Received: 6/06/2025

Altamonte Springs, FL 32701-3437

Customer ID: EBCG75

6/06/2025

6/06/2025

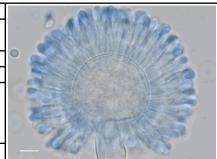
Analyzed: 6/06/2025

Proj: Wesley Szanyi 226 Timbercreek Pines Cir Winter Garden, FL

4. Glossary of Fungi

ASCOSPORES		
Natural Habitat	Everywhere in nature.	000
Suitable Substrates in the	Depends on genus and species.	
Indoor Environment		
Water Activity	Depends on genus and species.	
Mode of Dissemination	Forcible ejection or passive release and dissemination by wind or insects.	8600
Allergic Potential	Depends on genus and species.	
Potential or Opportunistic	Depends on genus and species.	
Pathogens		
Industrial Uses	Depends on genus and species.	
Potential Toxins Produced	Depends on genus and species.	The state of the s
Other Comments	Ascospores are the result of sexual reproduction and produced in a saclike structure called an ascus. All ascospores belong to members of the Phylum Ascomycota, which encompasses a plethora of genera worldwide.	

ASPERGILLUS		
Natural Habitat	Soil and Plant debris.	ſ
Suitable Substrates in the	Grows on a wide range of substrates indoors. Prevalent in	ı
Indoor Environment	water damaged buildings	ı
Water Activity	Aw=0.75-0.94	ľ
Mode of Dissemination	Wind	ı
Allergic Potential	Allergic bronchopulmonary aspergillosis (ABPA) which is	П
	common in asthmatic and cystic fibrosis patients.	П
	Aspergillus sinusitis. Invasive aspergillosis in	П
	immunocompromised patients	ı
Potential or Opportunistic	Aspergilloma and chronic pulmonary aspergillosis in	П
Pathogens	people with lung disease.	ľ
Industrial Uses	A. sojae is used for fermented food and beverages in	l
	Asia. A. oryzae is used in soy sauce production. A.	ı
	terreus produces mevinolin which is able reduce blood	ı
	cholesterol. A. niger produces enzymes used to make	ı
	some breads and beers and is also used in plastic	ı
	decomposition. A. niger and A. ochraceus are used in	l
	cortisone production	





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Potential Toxins Produced	3-Nitropropionic acid, 5-metoxystermatocystin, Aflatoxin B1, B2, Aflatoxin G1, G2, Aflatoxin M1, M2, Aflatoxin P1, Aflatoxin Q1, Aflatoxins, Aflatrem (alkaloid), Aflatrem (indole alkaloid), Aflavinin, Ascalidol, Aspergillic acid, Aspergillomarasmin, Aspertoxin, Asteltoxin, Austamid, Austdiol, Austins, Austocystins, Avenaciolide, Brevianamide A, Candidulin, Citreoviridin,, Citrinin, Clavatol, Cyclopiazonic acid, Cyclopiazonic acid, Cytochalasin E, Emodin, Fumagillin, Fumigaclavine A, Fumigatin, Fumitremorgens, Fumitremorgin A, Gliotoxin, Griseofulvin, Helvolic acid, Kojic acid, Kotanin, Malformins, Naphtopyrones, Neoaspergillic acid, Nidulin, Nidulotoxin, Nigragillin, Ochratoxin A, Ochratoxin B, Ochratoxin C, Ochratoxins ß, Ochratoxins a, Ochratoxins (A,B,C.a, ß.), Orlandin, Oryzacidin, Paspaline, Patulin, Penicillic acid, Phthioic acid, Secalonic acid A, B, D and F, Sphingofungins, Spinulosin, Sterigmatocystin, Terphenyllin, Terredional, Terreic acid, Terrein, Terretonin, Terretonin, Territrem A, Tryptoquivalines, Verruculogen, Versicolorin A, Viomellein, Viriditoxin, Xanthocillin,	
Other Comments	Versicolorin A, Viomellein, Viriditoxin, Xanthocillin, Xanthomegnin, ß-nitropropionic acid. It is the second most common opportunistic pathogen following Candida.	

ASPERGILLUS/PENIC	ASPERGILLUS/PENICILLIUM++				
Natural Habitat	Plant debris ·Seed ·Cereal crop	20 000			
Suitable Substrates in the	Grows on a wide range of substrates indoors ·Prevalent in				
Indoor Environment	water damaged buildings ·Foods (blue mold on cereals,				
	fruits, vegetables, dried foods) ·House dust ·Fabrics	8			
	·Leather ·Wallpaper ·Wallpaper glue				
Allergic Potential	Type I (hay fever, asthma) ·Type III (hypersensitivity)				
Potential Opportunist or	Possible depending on the species.				
Pathogen					
Potential Toxins Produced	Possible depending on the species.				
Free moisture required for	Aw=0.75-0.94				
mold growth					
Mode of Dissemination	Wind Insects				
Industrial Uses	Many depending on the species				
Other comments	Spores of Aspergillus and Penicillium (including others				
	such as Geosmithia, Goidanichella, Nalanthamala,				
	Rasamsonia, Samsoniella, and Talaromyces) are small				
	and spherical with few distinguishing characteristics. They				
	cannot be differentiated by non-viable impaction sampling				
	methods. Some species with very small spores may be				
	undercounted in samples with high background debris.				



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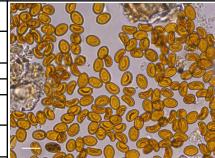
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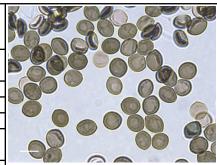
BASIDI	OSPORES
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BASIDIOSPORES					
Natural Habitat	Forest floors. Lawns .Plants (saprobes or pathogens				
	depending on genus)				
Suitable Substrates in the	Depends on genus. Wood products				
Indoor Environment					
Water Activity	Unknown.				
Mode of Dissemination	Forcible ejection. Wind currents.				
Allergic Potential	Type I allergies (hay fever, asthma) . Type III				
	(hypersensitivity pneumonitis)				
Potential or Opportunistic Depends on genus.					
Pathogens					
Industrial Uses	Edible mushrooms are used in the food industry.				
Potential Toxins Produced	Amanitins. monomethyl-hydrazine. muscarine. ibotenic				
	acid. psilocybin.				
Other Comments	Basidiospores are the result of sexual reproduction and				
	formed on a structure called the basidium. Basidiospores				
	belong to the members of the Phylum Basidiomycota,				
	which includes mushrooms, shelf fungi, rusts, and smuts.				



CHAETOMIUM++

0.1 1.2.1.0.1.1.0.1.1.	
Natural Habitat	Dung. Seeds. Soil. Straw. Genera with like spores
	include Amesia, Arcopilus, Botryotrichum, Collariella,
	Dichotomopilus, Ovatospora, Subramaniula and others.
Suitable Substrates in the	Paper. Sheetrock. Wallpaper.
Indoor Environment	
Water Activity	Aw=0.84-0.89.
Mode of Dissemination	Wind. Insects. Water splash.
Allergic Potential	Type I (asthma and hay fever).
Potential or Opportunistic	Onychomycosis. C. perlucidum recognized as a new
Pathogens	agent of cerebral phaeohyphomycosis.
Industrial Uses	Cellulase production, Textile testing.
Potential Toxins Produced	Chaetomin. Chaetoglobosins A,B,D and F are produced
	by Chaetomium globosum. Sterigmatocystin is produced
	by rare species



CLADOSPORIUM

Natural Habitat	Dead plant matter. Straw. Soil. Woody plants
Suitable Substrates in the	Fiberglass duct liner. Paint. Textiles. Found in high
Indoor Environment	concentration in water-damaged building materials.
Water Activity	Aw 0.84-0.88
Mode of Dissemination	Air
Allergic Potential	Type I (asthma and hay fever).
Potential or Opportunistic	Edema. keratitis. onychomycosis. pulmonary infections.
Pathogens	Sinusitis.
Industrial Uses	Produces 10 antigens.
Potential Toxins Produced	Cladosporin and Emodin.





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Potential or Opportunistic

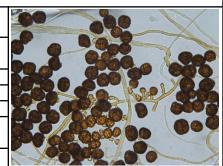
Pathogens

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EPICOCCUM	
Natural Habitat	A worldwide saprophytic fungi, being isolated from dead
	plant material and soil.
Suitable Substrates in the	Paper, textiles
Indoor Environment	
Water Activity	0.86-0.90
Mode of Dissemination	Wind
Allergic Potential	Hay fever, asthma

Unknown



MYXOMYCETES++		
Natural Habitat	Decaying logs, Dead leaves , Dung , Lawns , Mulched flower beds, Lawns	
Suitable Substrates in the Indoor Environment	Rotting lumber	
Free moisture required for mold growth	Unknown	
Mode of Dissemination	Insects, Water, Wind	
Allergic Potential	Type I	
Potential or Opportunistic	Unknown	
Pathogens		113
Industrial Uses		
Other Comments	Includes Myxomycetes, Smut, Rust, and Periconia.	

PYRICULARIA		
Natural Habitat	Parasite on leaves of different grasses and sometime other plants. Commonly causes leaf spot diseses. Rice blast disease caused by this fungus.	
Suitable Substrates in the	Unknown- require a living plant host for growth	
Indoor Environment		
Water Activity	Unknown	
Mode of Dissemination	Wind, water	
Allergic Potential	Unknown	
Potential or Opportunistic	Unknown	
Pathogens		



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SCOPULARIOPSIS/MICROASCUS				
Natural Habitat	Worldwide saprophytic fungi, being isolated from dead			
	plant material and soil.	000 11111000		
Suitable Substrates in the	Dairy products, fruit, grain, paper, wood	8 00		
Indoor Environment				
Water Activity	Unknown			
Mode of Dissemination	Wind			
Allergic Potential	Hypersensitivity	000		
Potential or Opportunistic	While Scopulariopsis is commonly considered a			
Pathogens	contaminant, it may cause onychomycosis, skin lesions,	000 80 900		
	keratitis, pulmonary infectons, endocarditis, particularly in			
	immunocompromised patients.	H		
Other Comments	Scopulariopsis is the anamorphic name (asexual stage)			
	and Microascus is the teleomorphic name (sexual stage).			

STACHYBOTRYS/ME	MNONIELLA	
Natural Habitat	Decaying plant materials and Soil.	
Suitable Substrates in the	Water damaged building materials such as: ceiling tiles,	
Indoor Environment	gypsum board, insulation backing, sheet rock, and wall	
	paper. Paper. Textiles.	
Water Activity	Aw=0.94	
Mode of Dissemination	Insects, Water, and Wind	
Allergic Potential	Type I (hay fever, asthma)	
Potential or Opportunistic	Unknown.	
Pathogens		
Industrial Uses	Unknown.	
Potential Toxins Produced	Mycotoxins produced by Stachybotrys include Roridin A,	
	Roridin E, Roridin H, Roridin L-2, Satratoxin G, Satratoxin	
	H, Isosatratoxin F, Verucarin A, Verucarin J, and	
	Verrucariol.	
Other Comments	Stachybotrys and Memnoniella are closely related and	
	many Memnoniella species have been renamed under	
	Stachybotrys. Mycologists are continuing to debate	
	whether Stachybotrys and Memnoniella should be	
	grouped or split apart (see references below).	
	Stachybotrys may play a role in the development of sick	
	building syndrome. The presence of this fungus can be	
	significant due to its ability to produce mycotoxins.	
	Exposure to the toxins can occur through inhalation,	
	ingestion, or skin exposure.	_
References	Generic hyper-diversity in Stachybotriaceae. L. Lombard	
	et al., Persoonia 36, 2016: 156–246.	
	Overview of Stachybotrys (Memnoniella) and current	
	species status. Y. Wang et al., Fungal Diversity, 2015:	
	DOI: 10.1007/s13225-014-0319-0.	



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5. References and Informational Links

Books

- Bioaerosols: Assessment and Control. Janet Macher, Ed., American Conference of Governmental Industrial Hygienists, Cincinnati, OH 1999.
- Exposure Guidelines for Residential Indoor Air Quality. Environmental Health Directorate, Health Protection Branch, Health Canada, Ottawa, Ontario, 1989.
- Fungal Contamination in Public Buildings: Health Effects and Investigation Methods. Health Canada, Ottawa, Ontario, 2004.
- IICRC: S500 Standard and Reference Guide for Professional Water Damage Restoration.
 3rd Edition, Institute of Inspection, Cleaning, and Restoration Certification, Vancouver, WA,
 2006

IICRC: S520 Standard and Reference Guide for Professional Mold Remediation. 1st Edition, Institute of Inspection, Cleaning, and Restoration Certification, Vancouver, WA, 2004

• Field Guide for the Determination of Biological Contaminants in Environmental Samples. 2nd Edition, American Industrial Hygiene Association, 2005.

Consumer Links

Read the full text of AIHA's "The Facts About Mold" consumer brochure. https://aiha-assets.sfo2.digitaloceanspaces.com/AIHA/resources/Facts-About-Mold-A-Consumer-Focus-Fact-Sheet.pdf

The Occupational Safety and Health Administration (OSHA) http://www.osha.gov/SLTC/molds/index.html

CDC Mold Facts

https://www.cdc.gov/mold-health/about/index.html?
CDC AAref Val=https://www.cdc.gov/mold/faqs.htm

CDC Stachybotrys - Questions and answers on Stachybotrys chartarum and other molds https://www.cdc.gov/mold-health/data-research/facts-stats/?
CDC AAref Val=https://www.cdc.gov/mold/stachy.htm

IOM, NAS: Clearing the Air: Asthma and Indoor Air Exposures https://www.epa.gov/indoor-air-quality-iaq/should-you-have-air-ducts-your-home-cleaned



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> National Library of Medicine-Mold website http://www.nlm.nih.gov/medlineplus/molds.html

California Department of Health Services (CADOHS) https://www.cdph.ca.gov/Programs/cls/dehl/ehl/Pages/AQS/Mold.aspx

Minnesota Department of Health

https://www.health.state.mn.us/communities/environment/air/mold/index.html

New York City Department of Health and Mental Hygiene https://www.nyc.gov/site/doh/health/health-topics/mold.page

EPA

"Should You Have the Air Ducts in Your Home Cleaned?" https://www.epa.gov/indoor-air-quality-iag/should-you-have-air-ducts-your-home-cleaned

General information about molds and actions that can be taken to clean up or prevent a mold problem.

https://www.epa.gov/mold/mold-cleanup-your-home

"A Brief Guide to Mold, Moisture, and Your Home" - Includes basic information on mold, cleanup guidelines, and moisture and mold prevention https://www.epa.gov/mold/brief-guide-mold-moisture-and-your-home

"Mold Remediation in Schools and Commercial Buildings" - Information on remediation in schools and commercial property, references for potential mold and moisture remediators. https://www.epa.gov/mold/mold-remediation-schools-and-commercial-buildings-guide

FEMA

"Homes That Were Flooded May Harbor Mold Problems" - Information and tips for cleaning mold.

https://www.fema.gov/press-release/20210318/fact-sheet-mold-problems-and-solutions

"Dealing With Mold & Mildew in Your Flood Damaged Home. http://www.fema.gov/pdf/rebuild/recover/fema mold brochure english.pdf



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6. Important Terms, Conditions, and Limitations

A. Sample Retention

Samples analyzed by EMSL will be retained for 60 days after analysis date Storage beyond this period is available for a fee with written request prior to the initial 30 day period. Samples containing hazardous/toxic substances which require special handling will be returned to the client immediately. EMSLreserves the right to charge a sample disposal fee or return samples to the client.

B. Change Orders and Cancellation

All changes in the scope of work or turnaround time requested by the client after sample acceptance must be made in writing and confirmed in writing by EMSL. If requested changes result in a change in cost the client must accept payment responsibility. In the event work is cancelled by a client, EMSL will complete work in progress and invoice for work completed to the point of cancellation notice. EMSL is not responsible for. holding times that are exceeded due to such changes.

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EMSL warrants to its clients that all services provided hereunder shall be performed in accordance with established and recognized analytical testing procedures and with reasonable care in accordance with applicable federal, state and local laws. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied. EMSL disclaims any other warranties, express or implied, including a warranty of fitness for particular purpose and warranty of merchantability.

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In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. EMSL will not be held responsible for the improper selection of sampling devices even if we supply the device to the user. The user of the sampling device has the sole responsibility to select the proper sampler and sampling conditions to insure that a valid sample is taken for analysis. Any resampling performed will be at the sole discretion of EMSL, the cost of which shall be limited to the reasonable value of the original sample delivery group (SDG) samples. In no event shall EMSL be liable to a client or any third party, whether based upon theories



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of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder.

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