

AEML Test: A001 Spore Trap
Analysis

Eurofins EPK Built Environment Testing, LLC - AEML
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Sampled: 12/6/2023
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Analysis Date: 12/6/2023
Report Date: 12/6/2023

Sample ID:	476922-01	476922-02	476922-03
Client Sample ID:	Outdoor 5536408	Kitchen 5536492	Master Bedroom 5536561
Volume Sampled (L):	75	75	75
Media:	Allergenco D	Allergenco D	Allergenco D
Percent of Trace Analyzed:	100% at 600X Magnification	100% at 600X Magnification	100% at 600X Magnification

Spore Types	Raw Count	Count/m ³	%	Raw Count	Count/m ³	%	Raw Count	Count/m ³	%
Alternaria	6	80	1	—	—	—	—	—	—
Arthrinium	—	—	—	—	—	—	—	—	—
Ascospores	50	667	9	9	120	7	5	67	7
Aspergillus/Penicillium-Like	66	880	12	67	893	52	32	427	47
Basidiospores	58	773	11	4	53	3	3	40	4
Bipolaris/Dreschlera	—	—	—	—	—	—	—	—	—
Botrytis	—	—	—	—	—	—	—	—	—
Chaetomium	—	—	—	1	13	1	1	13	1
Cladosporium	306	4,080	58	39	520	30	17	227	25
Curvularia	30	400	6	6	80	5	5	67	7
Epicoccum	3	40	1	1	13	1	—	—	—
Fusarium	—	—	—	—	—	—	—	—	—
Ganoderma	1	13	<1	—	—	—	2	27	3
Memnoniella	—	—	—	—	—	—	—	—	—
Nigrospora	3	40	1	—	—	—	—	—	—
Oidium/Peronospora	3	40	1	—	—	—	—	—	—
Pithomyces	—	—	—	—	—	—	—	—	—
Rust	—	—	—	—	—	—	—	—	—
Smut/Myxomyces/Periconia	2	27	<1	2	27	2	2	27	3
Stachybotrys	—	—	—	—	—	—	1	13	1
Torula	1	13	<1	—	—	—	—	—	—
Ulocladium	—	—	—	—	—	—	—	—	—
Unidentified Spores	—	—	—	—	—	—	—	—	—
Total Spores	529	7,053		129	1,720		68	907	
Hyphal Fragments	29	387		4	53		4	53	
Pollen	3	40		2	27		—	—	
Debris Rating	3			3			3		
Detection Limit	13			13			13		

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Laboratory Technical Manager

Results submitted pertain only to the samples as presented on the accompanying Chain of Custody.
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Standard Spore List	
Alternaria	Common allergen causing hay fever or hypersensitivity reactions that sometimes lead to asthma, serious infections are rare, except in people with compromised immune systems. Normal agents from the decomposition of plants.
Arthrinium	No reported infections associated with this fungus. Normally not found indoors.
Ascospores	Very common outdoor spore, associated with rain and moisture.
Aspergillus/Penicillium-Like	Possible allergen. Common cause of respiratory irritation and infection. Found on water damaged wallpaper, carpet and organic materials.
Basidiospores	Possible allergen to sensitive individuals, no known serious health effects associated with this fungus. Mushrooms and dry rot are examples of basidiospore producing fungi.
Bipolaris/Dreschlera	Allergen that can affect nose, skin, eye and upper respiratory track. Found on grasses, grains and decaying food.
Botrytis	Potential allergen, hay fever and asthma effects. Parasite commonly found growing on indoor plants.
Chaetomium	Not well studied but possible allergen with hay fever and asthma effects. Rare cases of nail infections. Found on a variety of cellulose, paper and plant compost.
Cladosporium	Potential allergen, hay fever and asthma effects. Grows well in damp environments, on textiles and window sills.
Curvularia	Hay fever, asthma and or allergic fungal sinusitis are some of the potential allergens associated with this fungi. Possible human health risk. Has been known to cause onychomycosis, ocular keratitis, sinusitis, mycetoma, pneumonia, endocarditis, cerebral abscess, and disseminated infection. Most cases are from immunocompromised patients. Grows on various indoor building materials.
Epicoccum	Potential allergen, effects are hay fever, asthma and skin allergies. Found in soil, air and rotting vegetation.
Fusarium	Potential allergen, hay fever and asthma effects. Commonly found on fruit rot, requires very wet conditions.
Ganoderma	Commonly found in the atmosphere, grows on wood products. Possible allergen at high concentrations.
Memnoniella	Mycotoxin producing spore related to and often found in conjunction with Stachybotrys.
Nigrospora	Potential allergen, hay fever and asthma effects. Usually not found growing indoors. Found on decaying plant material and soil.
Oidium/Peronospora	Common obligate parasites on leaves, stems, flowers, and fruits of living higher plants.
Pithomyces	Possible allergen. Grows well on paper indoors given the right conditions.
Rust	Potential allergen, hay fever and asthma effects. Rarely found growing indoors.
Smut/Myxomyces/Periconia	Potential allergen, hay fever and asthma effects. Rarely found growing indoors.
Stachybotrys	Often referred to as "toxic black mold." It has the ability to produce mycotoxins which may cause a burning sensation in the mouth, throat and nasal passages. Chronic exposure has been known to cause headaches, diarrhea, memory loss and brain damage. Found growing on water damaged cellulose, paper and ceiling tiles.
Torula	Potential allergen, hay fever and asthma effects. Found growing on water damaged cellulose, paper, wicker, straw baskets and ceiling tiles. Often found growing outdoors on leaves, roots, wood, and soil.
Ulocladium	Grows well on cellulose containing materials like paper, straw, wallboard. Requires very wet conditions.
Unidentified Spores	N/A
Hyphal Fragments	Branched structures with cell walls. Hyphae are somewhat analogous to stems or roots in plants whereas the spores would be analogous to the seeds.
Pollen	Allergen that causes hay fever. Pollen is microscopic round or oval grains produced by plants.

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