

CERTIFICATE OF ANALYSIS

PREPARED FOR:
HYGIENITECH SOLUTIONS, LLC
3131 WEST LOOP SOUTH #417
HOUSTON, TX 77027

TEST ADDRESS:
3415 LOUVRE
HOUSTON, TX

REPORT DATE:
MAY 23, 2023



AIHA
EMPAT 221438

Authorization:



Andrew Daane, M.S.
Laboratory Director

REPORT CODE: M-HYSO-203493

Company	Hygienitech Solutions, LLC						Project Name	N/A
Address	3131 West Loop South #417, Houston, TX 77027						Project Address	3415 Louvre, Houston, TX
Contact	Ed Kampf							
Phone	713-298-1449						Project Number	N/A
Email	ed@hygienitechsolutions.com						Analyzed by/ Date	MG 5/23/2023
Lab ID Number	203493-1			203493-2			Intentionally Left Blank	Intentionally Left Blank
Collection Date	5/11/23			5/11/23				
Volume	150			150				
Location	Kitchen			Bathroom				
% Slide Analyzed	100			100				
Spore Identification	Raw Count	Spore/m ³	% of Total	Raw Count	Spore/m ³	% of Total		
Aspergillus/ Penicillium		0	0	83	553	98		
Chaetomium		0	0		0	0		
Stachybotrys		0	0		0	0		
Alternaria		0	0		0	0		
Arthrinium		0	0		0	0		
Ascospores		0	0		0	0		
Basidiospores	1	7	100	2	13	2		
Cladosporium		0	0		0	0		
Cercospora		0	0		0	0		
Curvularia		0	0		0	0		
Dreschlera/ Bipolaris		0	0		0	0		
Epicoccum		0	0		0	0		
Fusarium		0	0		0	0		
Ganoderma		0	0		0	0		
Memmoniella		0	0		0	0		
Myxomycetes/ Smut		0	0		0	0		
Nigrospora		0	0		0	0		
Pithomyces		0	0		0	0		
Rust		0	0		0	0		
Spegazzinia		0	0		0	0		
Torula		0	0		0	0		
Ulocladium		0	0		0	0		
Other		0	0		0	0		
Total Fungi	1	7	100	85	567	100		
Hyphal Fragment		0	N/A		0	N/A		
Background Debris (1-5)*	1			1				
<p>Background Debris is a subjective assessment of the debris level (i.e., house dust) present in the sample, ranked from 1 to 5. A higher number corresponds to a higher level of debris.</p> <p>*Higher Background Debris may interfere with the analyst's ability to identify spores</p> <p>1 = 0-5% debris; 2 = 5-25% debris; 3 = 25-75% debris; 4 = 75-90% debris; 5 = 90-100% debris</p>								
<p>The presence of these organisms indoors is typically an indicator of a water source and/or water damage. These organisms are known to flourish indoors and are an indicator of overall indoor air quality.</p>								
<p>These organisms are commonly found outdoors and their presence indoors is likely due to passive air flow through an open window or door. These organisms are not typically known to flourish indoors.</p>								
Surface Sample Enumeration Key								
Rare = 1-10 spores; Low = 11-100 spores; Medium = 101-1,000 spores; High = >1,000 spores								
The Laboratory is not responsible for project sampling. Customer provided information: Project Name, Project Number, Project ID, Project Address, Collection Date, Volume, and Location								

MOLD GLOSSARY

This portion of the report is intended to give a brief overview of the mold types identified in the reported samples. The information provided here is by no means fully inclusive. Many identifiable mold types represent a large, highly diverse group of fungi and it is difficult to fully capture the nature of these fungi in such a simplified description.

ASPERGILLUS/ PENICILLIUM

ALLERGIC POTENTIAL	Type I (hay fever, asthma), Type III (hypersensitivity)
MODE OF DISSEMINATION	Wind, insects
NATURAL HABITAT	Ubiquitous
INDOOR SUBSTRATES	Foods, dust, fabrics, wallpaper, wallpaper glue, leather. Prevalent in water-damaged buildings.

ALTERNARIA

ALLERGIC POTENTIAL	Type I (hay fever, asthma), Type III (hypersensitivity)
MODE OF DISSEMINATION	Airborne
NATURAL HABITAT	Ubiquitous
INDOOR SUBSTRATES	Various wetted substrates

ARTHRIINIUM

ALLERGIC POTENTIAL	Some species recognized as allergenic
MODE OF DISSEMINATION	Wind
NATURAL HABITAT	Decaying plant material, soil
INDOOR SUBSTRATES	Materials containing cellulose

ASCOSPORES

ALLERGIC POTENTIAL	Varies with genus and species
MODE OF DISSEMINATION	Forcible ejection or passive release, disseminated by wind or insects
NATURAL HABITAT	Ubiquitous
INDOOR SUBSTRATES	Depends on genus and species

BASIDIOSPORES

ALLERGIC POTENTIAL	Rarely Type I (hay fever, asthma)
MODE OF DISSEMINATION	Wind
NATURAL HABITAT	Forest floors, plants, lawns
INDOOR SUBSTRATES	Wood products, generally does not grow indoors

CERCOSPORA

ALLERGIC POTENTIAL	No allergic potential identified
MODE OF DISSEMINATION	Insects, wind, rain, irrigation water
NATURAL HABITAT	Plants
INDOOR SUBSTRATES	Not known to grow indoors

CHAETOMIUM

ALLERGIC POTENTIAL	Type I (hay fever, asthma)
MODE OF DISSEMINATION	Wind, insects, water droplets
NATURAL HABITAT	Soil, straw, seeds, animal waste
INDOOR SUBSTRATES	Paper, sheetrock, wall paper

CLADOSPORIUM

ALLERGIC POTENTIAL Type I (hay fever, asthma)
 MODE OF DISSEMINATION Airborne
 NATURAL HABITAT Detritus, soil, woody plants
 INDOOR SUBSTRATES Paint, fabrics, textiles, fiberglass. Prevalent in water-damaged buildings

CURVULARIA

ALLERGIC POTENTIAL Type I (hay fever, asthma)
 MODE OF DISSEMINATION Wind
 NATURAL HABITAT Soil, plant litter, decaying plants, detritus, leaves
 INDOOR SUBSTRATES Variety of building materials

EPICOCCUM

ALLERGIC POTENTIAL Rarely Type I (hay fever, asthma)
 MODE OF DISSEMINATION Wind
 NATURAL HABITAT Soil, plant debris
 INDOOR SUBSTRATES Textiles, paper

FUSARIUM

ALLERGIC POTENTIAL Type I (asthma, hay fever)
 MODE OF DISSEMINATION Insects, wind, water droplets
 NATURAL HABITAT Soil, plants
 INDOOR SUBSTRATES Humidifiers, wet cellulose building materials

GANODERMA

ALLERGIC POTENTIAL Rarely Type I (hay fever, asthma)
 MODE OF DISSEMINATION Wind, insects
 NATURAL HABITAT Parasitic on plants, notably hardwood trees
 INDOOR SUBSTRATES Not typically found indoors

MEMNONIELLA

ALLERGIC POTENTIAL Unknown
 MODE OF DISSEMINATION Wind
 NATURAL HABITAT Plant materials, soils
 INDOOR SUBSTRATES Wet building materials

MYXOMYCETES, PERICONIA, SMUT

ALLERGIC POTENTIAL Type I (hay fever, asthma)
 MODE OF DISSEMINATION Wind, insects, water
 NATURAL HABITAT Detritus, dung, mulch, lawns
 INDOOR SUBSTRATES Rotting wood, not typically found indoors

NIGROSPORA

ALLERGIC POTENTIAL Type I allergies (hay fever, asthma)
 MODE OF DISSEMINATION Forcibly ejected, wind
 NATURAL HABITAT Grass, soil, seeds
 INDOOR SUBSTRATES Not known to grow indoors

PITHOMYCES

ALLERGIC POTENTIAL No allergic potential identified
 MODE OF DISSEMINATION Wind
 NATURAL HABITAT Tree bark, soil, leaf litter, detritus
 INDOOR SUBSTRATES Paper

SPEGAZZINIA

ALLERGIC POTENTIAL	Rarely Type I (hay fever, asthma)
MODE OF DISSEMINATION	Wind
NATURAL HABITAT	Dead leaves, herbaceous dead stems, soil, occasionally estuarine sediments
INDOOR SUBSTRATES	Not known to grow indoors

STACHYBOTRYS

ALLERGIC POTENTIAL	Type I (asthma, hay fever)
MODE OF DISSEMINATION	Insects, water, wind
NATURAL HABITAT	Detritus, soil
INDOOR SUBSTRATES	Wet building materials

TORULA

ALLERGIC POTENTIAL	Type I(hay fever, asthma)
MODE OF DISSEMINATION	Wind
NATURAL HABITAT	Leaves, plant roots, detritus, soil, wood
INDOOR SUBSTRATES	Wicker furniture, wood, baskets, paper

ULOCADIUM

ALLERGIC POTENTIAL	Type I (hay fever, asthma), Type III (hypersensitivity)
MODE OF DISSEMINATION	Wind, insects
NATURAL HABITAT	Soil, dung, grass, fibers, wood, detritus
INDOOR SUBSTRATES	Gypsum, wallpaper, and various wetted substrates