

Mold Clearance Report



2129 Rivina Dr, Austin, TX 78733
Inspection prepared for: Phyllis Cosentino
Date of Inspection: 2/26/2024 Time: 2:00 PM
Age of Home: 1999 Size: 4750 SF
Weather: Cloudy and dry, 70 to 75°F

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Post Remediation Assessment

General Information

Client: **Phyllis Cosentino**

Subject Address: **2129 Rivina Dr, Austin, TX 78733**

Date: **02/26/2024**

Inspector: **Lance Maddoux** MAC #1827 (12/26/2025)

LGM Inspections was requested to provide a post remediation assessment on the remediation activities performed by BOR of Austin on the subject property at 2129 Rivina Dr, Austin, TX 78733. Lance Maddoux with LGM Inspections performed the initial mold inspection and constructed the assessment protocol listing the observed areas of suspect fungal growth which affected less than 25-contiguous square feet of materials in the master bathroom, kitchen, exterior closet, garage, and Jack & Jill bathroom areas and more than 25-contiguous square feet of materials in the pool room/bathroom areas. This project appeared to be performed in accordance with standard industry practices and was subject to the Texas Mold Assessment and Remediation Rules.

Containment Area(s) Observations

Location Observations:

[WA-1: Master Bathroom](#)

Visual inspection revealed that remediation was appropriately contained with critical barriers and an entrance.

All HVAC vents in the remediated area were properly sealed.

Visual inspection revealed that materials with visible fungal growth and/or wood rot had been appropriately cleaned and/or removed.

All suspect wall, trim, and cabinet materials were removed in the remediated area.

Visual inspection revealed surfaces that were visually free from dust and debris.

[WA-2: Pool Room/Bathroom](#)

Visual inspection revealed that remediation was appropriately contained with critical barriers and an entrance.

Visual inspection revealed that materials with visible fungal growth and/or wood rot had been appropriately cleaned and/or removed.

All suspect wall, trim, and cabinet materials were removed in the remediated area.

Visual inspection revealed surfaces that were visually free from dust and debris.

[WA-3: Garage](#)

Visual inspection revealed that materials with visible fungal growth and/or wood rot had been appropriately cleaned and/or removed.

All suspect wall and trim materials were removed in the remediated area.

Visual inspection revealed surfaces that were visually free from dust and debris.

[WA-4: Kitchen](#)

Visual inspection revealed that remediation was appropriately contained with critical barriers and an entrance.

Visual inspection revealed that materials with visible fungal growth and/or wood rot had been appropriately cleaned and/or removed.

All suspect wall, trim, and cabinet materials were removed in the remediated area.

[WA-5: Jack & Jill Bathroom](#)

Visual inspection revealed that remediation was appropriately contained with critical barriers and an entrance.

Visual inspection revealed that materials with visible fungal growth and/or wood rot had been appropriately cleaned and/or removed.

All suspect wall, trim, and cabinet materials were removed in the remediated area.

All HVAC vents in the remediated area were properly sealed.

[WA-6: West Bedroom Bathroom](#)

Visual inspection revealed that materials with visible fungal growth had been appropriately cleaned and/or removed.

[WA-7: Exterior Closet](#)

Visual inspection revealed that remediation was appropriately contained with critical barriers and an entrance.

Visual inspection revealed that materials with visible fungal growth and/or wood rot had been appropriately cleaned and/or removed.

Visual inspection revealed surfaces that were visually free from dust and debris.

All suspect wall and trim materials were removed in the remediated area.

Mold Causation

Mold Causation

The underlying cause of fungal growth in the Master bathroom area is suspected to be caused by moisture intrusion from a previous shower area leak. It is a reasonable assumption that new mold occurrences in this area will not return from the previous causes, if the plumbing materials in these areas are properly repaired and then periodically monitored, all future plumbing work is performed in a professional manner, and general plumbing maintenance is performed in a timely manner. LGM Inspections makes no guarantee that such underlying causes for mold growth will not return.

The underlying cause of fungal growth in the Pool room, Pool room bathroom, and Exterior closet areas is suspected to be caused by moisture intrusion from previous sump pump leak. It is a reasonable assumption that new mold occurrences in this area will not return from the previous causes, if the plumbing materials in these areas are properly repaired and then periodically monitored, all future plumbing work is performed in a professional manner, and general plumbing maintenance is performed in a timely manner. LGM Inspections makes no guarantee that such underlying causes for mold growth will not return.

The underlying cause of fungal growth in the Garage area is suspected to be caused by moisture intrusion from elevated soil lines and the downspout termination. It is a reasonable assumption that new mold occurrences in this area will not return from the previous causes, if the grading and gutter materials in these areas are properly repaired and then periodically monitored, all future maintenance work is performed in a professional manner, and general maintenance is performed in a timely manner. LGM Inspections makes no guarantee that such underlying causes for mold growth will not return.

The underlying cause of fungal growth in the Kitchen area is suspected to be caused by moisture intrusion from previous disposer/plumbing line leaks. It is a reasonable assumption that new mold occurrences in this area will not return from the previous causes, if the plumbing and disposer materials in these areas are properly repaired and then periodically monitored, all future plumbing and disposer work is performed in a professional manner, and general maintenance is performed in a timely manner. LGM Inspections makes no guarantee that such underlying causes for mold growth will not return.

The underlying cause of fungal growth in the Jack & Jill bathroom area is suspected to be caused by elevated humidity and exterior air coming into the bathroom wall cavity from the attic and rear porch ceiling locations. It is a reasonable assumption that new mold occurrences in this area will not return from the previous causes, if the wall materials in these areas are properly repaired and then periodically monitored, all future maintenance work is performed in a professional manner, and general maintenance is performed in a timely manner. LGM Inspections makes no guarantee that such underlying causes for mold growth will not return.

The underlying cause of fungal growth in the West bedroom bathroom area is suspected to be caused by lack of general and proper sealant cleaning. It is a reasonable assumption that new mold occurrences in this area will not return from the previous causes, if the grout/sealant materials in these areas are properly repaired and then periodically monitored, all future grout/sealant work is performed in a professional manner, and general cleaning/maintenance is performed in a timely manner. LGM Inspections makes no guarantee that such underlying causes for mold growth will not return.

Notice: It is the responsibility of client, owner, and/or contractor performing the specific services to stop any underlying causes of mold growth and to verify that such corrective actions have been adequately performed. LGM Inspections hereby notifies the client that these components will require ongoing preventive responses to control any future mold growth.

Analytics

Analytics & Clearance Lab Results

WA-1: Location	Temperature	Relative Humidity
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Master Bathroom Containment:	76°F	50%
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Containment Area Moisture Readings: Framing Materials - 15%

WA-2&7: Locations	Temperature	Relative Humidity
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Pool Room/Exterior Closet Containment:	76°F	52%
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Containment Area Moisture Readings: Framing Materials - 12%

WA-3: Location	Temperature	Relative Humidity
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Garage:	76°F	51%
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Containment Area Moisture Readings: Framing Materials - 13%

WA-4: Location	Temperature	Relative Humidity
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Kitchen Containment:	73°F	52%
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Containment Area Moisture Readings: Framing Materials - 10%

WA-5: Location	Temperature	Relative Humidity
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Jack & Jill Containment:	73°F	51%
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Containment Area Moisture Readings: Framing Materials - 16%

WA-6: Location	Temperature	Relative Humidity
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West Bedroom Bath:	73°F	51%
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Containment Area Moisture Readings: Trim Materials - 9%



SEEML Reference Number:
H-240215015

Southeast Environmental Microbiology Laboratories

410 W Grand Pkwy S, Suite 250
Katy, TX. 77494
Phone: 832-437-2667

The information and data for **LGM Inspections** has been checked for thoroughness and accuracy. The following reports are contained within this document:

- Surface/Bulk Report
- Spore Trap Report
- Andersen Fungal Report
- Quantitative Fungal Report

Lab Manager Review : *Magzoub Ismail* Date : 02-15-2024

Thank you for using SEEML laboratories. We strive to provide superior quality and service. SEEML laboratories are accredited through AIHA LAP, LLC (EMLAP #232339) for the analysis of Spore Traps and Surface/Bulk Samples and licensed by the Texas Department of Licensing and Regulation (LAB1016).

The data within this report is reliable to three significant figures. The third significant figure is technically unjustified. In this instance, the third figure is reported as an estimate to facilitate the interpretation by the customer.

Confidentiality Notice:

The document(s) contained herein are confidential and privileged information, intended for the exclusive use of the individual or entity named above. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of the document(s) is strictly prohibited. If you have received this document in error, please immediately notify us by telephone to arrange for its return. Thank you.

Guidelines for Interpretation:

No accepted quantitative regulatory standards currently exist by which to assess the health risks related to mold and bacterial exposure. Molds and bacteria have been associated with a variety of health effects and sensitivity varies from person to person.

Several organizations, including: the American Conference of Government Industrial Hygienists (ACGIH); the American Industrial Hygiene Association (AIHA); the Indoor Air Quality Association (IAQA); the United States Environmental Protection Agency (USEPA); the Centers for Disease Control (CDC), as well as the California Department of Health Services (CADHS), have all published guidelines for assessment and interpretation of mold resulting from water intrusion in buildings.

Interpretation of the data and information within this document is left to the company, consultant, and/or persons who conducted the fieldwork.

Spore Trap Report

LGM Inspections	Date Sampled: 02/14/2024
10703 Mourning Dove Dr	Date Received: 02/15/2024
Austin, TX, 78750	Date Analyzed: 02/15/2024
254-855-8644	Date Reported: 02/15/2024
	Date Revised:
	Project Name: 2129 Rivina Dr
	Project Address: 2129 Rivina Dr
	Project City, State, ZIP: Austin, TX 78733
	SEEML Reference #: H-240215015

TEST METHOD: DIRECT MICROSCOPY EXAMINATION SEEML SOP 7

Client Sample ID	A1			A2			A3		
Location	Kitchen			Master Bath			Jack & Jill Bath		
Lab Sample ID	H-240215015-052			H-240215015-053			H-240215015-054		
Detection Limit (spores/m ³)	13			13			13		
Hyphal Fragments	1	13		1	13		3	40	
Pollen							1	13	
Spore Trap Used	Allergenco			Allergenco			Allergenco		
	raw ct.	spores/m ³	%	raw ct.	spores/m ³	%	raw ct.	spores/m ³	%
Alternaria (=Ulocladium)							1	13	1
Ascospores									
Basidiospores							4	53	2
Bipolaris/Drechslera							3	40	2
Cercospora									
Chaetomium							32	427	20
Cladosporium				4	53	44	8	107	5
Colorless/Other Brown*									
Curvularia				1	13	11	2	27	1
Epicoccum							1	13	1
Fusarium									
Memnoniella									
Nigrospora									
Oidium									
Penicillium/Aspergillus	8	107	100	4	53	44	100	1333	62
Pithomyces									
Polythrincium									
Pyricularia									
Rusts									
Smuts/Periconia/Myxomy							10	133	6
Spiegazzinia									
Stachybotrys									
Tetraploa									
Torula									
Zygomycetes									
Background debris (1-5)**	2			2			3		
Sample Volume (liters)	75			75			75		
TOTAL SPORES/M³	8	107		9	119		161	2150	
Retested: 2/26									

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore. The analytical sensitivity is the spores/m³ divided by the raw count, expressed in spores/m³. The limit of detection is the analytical sensitivity (in spores/m³) multiplied by the sample volume (in liters) divided by 1000 liters.

*Colorless, other Brown are spores without a distinctive morphology on spore traps and non-viable surface samples.

**Background debris is the amount of particulate matter present on the slide and is graded from 1-5 with 1 = very light, 2 = Light, 3 = Medium, 4 = Heavy, 5 = Very Heavy. The higher the rating the more likelihood spores may be underestimated. A rating of 5 should be interpreted as minimal counts and may actually be higher than reported.

***Ulocladium has been recognized by the International Mycological Association to be equal to Alternaria and so they are reported as one.

Disclaimer: The sample results are determined by the sample volume, which is provided by the customer.

410 W Grand Pkwy S, Suite 250
Katy, TX. 77494
Phone: 832-437-2667

This report relates only to the samples tested as they were received.

Respectfully submitted, SEEML

Magzoub Ismail

Magzoub Ismail, Approved Laboratory Signatory

AIHA LAP, LLC EMLAP #232339
Form 18.0 Rev 5 01/21/22

Texas Lic: LAB1016

Spore Trap Report

LGM Inspections	Date Sampled: 02/14/2024
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Austin, TX, 78750	Date Analyzed: 02/15/2024
254-855-8644	Date Reported: 02/15/2024
	Date Revised:
	Project Name: 2129 Rivina Dr
	Project Address: 2129 Rivina Dr
	Project City, State, ZIP: Austin, TX 78733
	SEEML Reference #: H-240215015

TEST METHOD: DIRECT MICROSCOPY EXAMINATION SEEML SOP 7

Client Sample ID	A4			A5			
Location	Garage			Pool Room			
Lab Sample ID	H-240215015-055			H-240215015-056			
Detection Limit (spores/m ³)	13			13			
Hyphal Fragments	1	13		3	40		
Pollen	1	13		1	13		
Spore Trap Used	Allergenco			Allergenco			
	raw ct.	spores/m ³	%	raw ct.	spores/m ³	%	
Alternaria (=Ulocladium)	2	27	4				
Ascospores							
Basidiospores							
Bipolaris/Drechslera							
Cercospora							
Chaetomium							
Cladosporium	16	213	29	20	267	67	
Colorless/Other Brown*							
Curvularia							
Epicoccum							
Fusarium							
Memnoniella							
Nigrospora							
Oidium							
Penicillium/Aspergillus	36	480	65	8	107	27	
Pithomyces							
Polythrincium							
Pyricularia							
Rusts							
Smuts/Periconia/Myxomy	1	13	2	2	27	7	
Spegazzinia							
Stachybotrys							
Tetraploa							
Torula							
Zygomycetes							
Background debris (1-5)**	3			3			
Sample Volume(liters)	75			75			
TOTAL SPORES/M³	55	733		30	401		

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore. The analytical sensitivity is the spores/m³ divided by the raw count, expressed in spores/m³. The limit of detection is the analytical sensitivity (in spores/m³) multiplied by the sample volume (in liters) divided by 1000 liters.

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Respectfully submitted, SEEML

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Magzoub Ismail

Magzoub Ismail, Approved Laboratory Signatory

AIHA LAP, LLC EMLAP #232339

Texas Lic: LAB1016



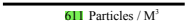
Mycotech Biological, Inc.
TDLR LIC. NO: LAB0163

Project :
2129 Rivino Dr.
Austin, TX 78733

LGM Inspections
10703 Mourning Dove Dr.
Austin, TX 78750

Analysis Type : Air-O-Cell
Media : Hex-Sil

Report Number: 24-0330
Received date: 2/27/2024
Report date: 2/27/2024

Sample No:	(01)		
Description:	A1 Jack & Jill Contain.		
Sample Type	Clearance		
Sample Date:	2/26/2024		
Matrix:	Air		
Date Analyzed:	2/27/2024		
% Analyzed:	100% of Trace at 400X Magnification		
Reporting Limit:	13		
	Particles / M ³		
Observed	Raw Count	Results	Comments:
Cladosporium spp.	24	312	
Alternaria spp.	6	78	
Ascospores - like	1	13	105
Drechslera - like	1	13	105
Epicoccum spp.	1	13	
hyphae	14	182	7
 611 Particles / M ³			

650 Rocky Creek Rd. - Dripping Springs, Texas 78620 - Tele: 512-264-9076

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Mycotech Biological, Inc.

Project: 2129 Rivino Dr.

Report Number 24-0330

Client: LGM Inspections

General Comment Reference Page

ONLY COMMENT NUMBERS INDICATED ON REPORT ARE RELEVANT.

Mycotech Biological is not responsible for any errors resulting from improper or incorrect sampling procedures, atmospheric conditions at the time of sampling or during shipment, or from shipping conditions or methods.
Results relate only to samples analyzed.

7. The hyphae observed represented desiccated/unorganized hyphal fragments that are not representative of established fungal growth. The presence of this is commonly identified in typical dust and debris collections. Organized hyphae are the tubular filamentous parts of a fungus that represents the structural entity of the majority of the fungi.
105. Due to the absence of supporting data, a definitive Genus could not be assigned.

Chris Wardlaw, B.S.
Laboratory Manager
Mycotech Biological, Inc.

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End of Report

Microbiological Sampling Results

Microbiological Sampling Results

Note: All sample collection and analyses for this project were performed in accordance with Section §295.321 Minimum Work Practices and Procedures for Mold Assessment of the Texas Mold Assessment and Remediation Rules Publication #2-15.

Air Samples: Air samples were collected from within all containment areas. All concentrations and populations of fungal bioaerosols in the containment area sample(s) are within criteria established by LGM Inspections.

Conclusions and Recommendations: The post remediation assessment was conducted and environmental samples were collected to verify that remediation activities have appropriately cleaned or removed water damaged building components, hygienic cleaning activities have been effective, and that airborne levels of fungal spores are at typical populations and concentrations found in an indoor occupied space. In general, since all environments contain some surface and airborne presence of fungal components, “acceptable criteria” is based on thresholds that are considered typical and normal for indoor environments. These levels would be deemed typical and normal for indoor environments. The post remediation assessment revealed that based upon visual, procedural, and analytical methods, all remediated areas within the containment zones have been deemed normal for an occupied indoor environment. Based on the post remediation assessment, it is recommended that reconstruction can occur after the inspection of February 27, 2024. This post remediation assessment report is provided strictly for the visually inspected and remediated areas of the project and is not intended to represent the fungal conditions existing at any other area of this project.

Methodology Reference

Methodology Reference

Total Bioaerosol Samples: Total bioaerosol/particulate sampling was performed to identify and characterize general fungal and particulate concentrations. Total bioaerosol exposure is the result of both culturable and non-culturable airborne fungal components, as well as general particulate having a size between 1-10 microns. Total bioaerosol concentrations were determined by sampling with Allergenco cassettes linked to a vacuum pump calibrated at a flow rate of 15 liters per minute. Airborne bioparticulate was collected in representative indoor areas for 5-minute periods. Airborne bioparticulate was impacted onto prepared microscope slides. Total bioaerosol sampling protocols were conducted in accordance with the previously referenced ACGIH publication “Guidelines for the Assessment of Bioaerosols in the Indoor Environment.” A laboratory licensed under the Texas Department of Health Services Texas Mold Assessment and Remediation Rules Publication #2-15 analyzed the samples collected in this investigation. Qualitative and quantitative analysis of bioparticulate were performed by analyzing the sample by light microscopy. Morphologically distinct fungal components were identified to genus. Fungal propagules were enumerated as discrete particles even when clusters of spores (e.g.: catenulate, intact asci) were observed. Other particulate was identified into general categories of pollen, cellulose fibers, man-made mineral fibers (MMMMF – fiberglass insulation, not asbestos), insect parts, etc. Debris represents a collective category containing amorphous, non-distinct components between 1-10 microns. Quantitative values were calculated by dividing the raw particulate count by the volume of air sampled, which in turn was based on the percentage of the collected trace analyzed. All components were reported in particles per cubic meter (particles/m³). A total concentration of particles/m³ was also reported for each sample location. No scientifically peer-reviewed research is currently of record that indicates typical and/or acceptable levels for total (culturable and non-culturable) indoor fungal bioaerosols. The LGM Inspections database, along with other case studies published in leading industry journals and papers, generally suggest that total bioaerosols within indoor environments should be below 600 particles/m³.