

LAB ANALYSIS REPORT

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 ORDER SUMMARY



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LAB ANALYSIS REPORT

CONFIRMATION #: 30021
DATE COLLECTED: SEP 23 2019 06:25:05:PM
DATE RECEIVED: JAN 3 1 12:00:00:AM
DATE ANALYZED: SEP 27 2019 06:25:37:PM
LAB ANALYSIS BY: AEROBIOLOGY

CUSTOMER INFORMATION

NAME:	MARVIN HAWLEY	PROPERTY NAME:	SUN MESA
PHONE:	7605748762	PROPERTY ADDRESS:	58137 SUN MESA DR, YUCCA VALLEY, CA, 92284
EMAIL:	DESERTDETECTION@GMAIL.COM	PROPERTY TYPE:	RESIDENTIAL
DATE REPORTED:	SEP 23 2019 06:25:04:PM	RELATION:	OWNER
PROPERTY:		OCCUPANTS:	COMPLAINTS
SYMPTOMS:			

SUMMARY

AIR SAMPLE



GARAGE
SPORE COUNTS APPEAR NORMAL.



LIVINGROOM
SPORE COUNTS APPEAR NORMAL.



OFFICE
SPORE COUNTS APPEAR NORMAL.



BATHROOM
SPORE COUNTS APPEAR NORMAL.



MASTER BEDROOM
SPORE COUNTS APPEAR NORMAL.



CLOSET
SPORE COUNTS APPEAR NORMAL.



KITCHEN
SPORE COUNTS APPEAR NORMAL.

SURFACE SAMPLE



HEATER ROOM
NO SPORES.



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OUTDOOR VS. INDOOR MOLD CONCENTRATIONS

NORMAL

SLIGHTLY ELEVATED

ELEVATED

PENICILLIUM/ASPERGILLUS GROUP



CLADOSPORIUM



ALTERNARIA



BASIDIOSPORES



ASCOSPORES



SMUTS,PERICONIA,MYXOMYCETES



HYPHAL ELEMENTS



UNKNOWN



WE ARE HERE TO HELP! YOUR LAB RESULTS HAVE BEEN REVIEWED BY MYMOLDDetective's™ IN-HOUSE INDOOR AIR QUALITY (IAQ) DEPARTMENT AND WE WANT TO BRING A FEW ITEMS TO YOUR ATTENTION:

MMD'S™ MOLD TESTING CONCLUSION: NORMAL

The laboratory data from the non-viable air samples indicates that the types (species) of aerosolized fungal spores presented in the indoor sampling results are Consistent or Typical with the dominant types found in the outdoor reference comparison sample. Simply this means, an occupant's exposure to a variety of airborne fungal spores would have been greater in the outdoor environment than the indoor environment at the time of testing. The samples collected were submitted to an AIHA Accredited and EMLAP certified independent laboratory for microscopic evaluation.

MMD'S™ PROPERTY HISTORY CONCLUSION: ACTION RECOMMENDED

Due to this property's history of **water damage**, MMD™ and the IAQ Industry recommends you have a local, qualified Indoor Air Quality (IAQ) Professional (i.e. Certified Microbial Remediator - CMR) perform an Onsite Mold Assessment to take a closer look at your property. An Onsite Mold Assessment can result in customized recommendations to safeguard against and eliminate mold contamination.

ONSITE EVALUATION

We have a network of pre-screened, qualified and insured professionals that we will connect you with to help give you a more comprehensive view of your indoor air quality. If you would like MyMoldDetective™ to refer a local professional in your area or have any questions about your Mold Analysis lab report, please do not hesitate to contact us.



CALL A MYMOLDDetective® REPRESENTATIVE
NOW TO DISCUSS YOUR RESULTS.

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MOLD LAB ANALYSIS

SAMPLE LOCATION	GARAGE				RESULT	OUTDOOR			
CLIENT SAMPLE NUMBER	139740					139749			
RESULT	✓ Normal					Control			
Spore Identification	Raw Count	Spores per m ³	Percent of Total	In/Out		Raw Count	Spores per m ³	Percent of Total	lr
Alternaria	-	-	-	-		1	15	1	
Ascospores	1	15	1	0.33:1		3	46	1	
Basidiospores	11	169	1	0.52:1		21	323	1	
Cladosporium	6	92	1	0.6:1		10	154	1	
Hyphal Elements	2	31	1	-		-	-	-	
No Fungal Spores Seen.	-	-	-	-		-	-	-	
Penicillium/Aspergillus Group	4	62	1	4:1		1	15	1	
Smuts,Periconia,Myxomycetes	2	31	1	0.22:1		9	138	1	
Unknown	1	15	1	-		-	-	-	
Total	27	415	7%			45	691	6%	
Debris Rating	3*					2*			
Analytical Sensitivity	15					15			
Sample Volume (L)	0					0			
Lab Sample Number									



SAMPLE LOCATION	LIVINGROOM				RESULT	OUTDOOR		
CLIENT SAMPLE NUMBER	142929					139749		
RESULT	✓ Normal					Control		
Spore Identification	Raw Count	Spores per m ³	Percent of Total	In/Out		Raw Count	Spores per m ³	Percent of Total
Alternaria	-	-	-	-		1	15	1
Ascospores	1	15	1	0.33:1		3	46	1
Basidiospores	6	92	1	0.29:1		21	323	1
Cladosporium	5	77	1	0.5:1		10	154	1
Hyphal Elements	-	-	-	-		-	-	-
No Fungal Spores Seen.	-	-	-	-		-	-	-
Penicillium/Aspergillus Group	-	-	-	-		1	15	1
Smuts,Periconia,Myxomycetes	-	-	-	-		9	138	1
Unknown	-	-	-	-		-	-	-
Total	12	184	3%			45	691	6%
Debris Rating	3*					2*		
Analytical Sensitivity	15					15		
Sample Volume (L)	0					0		
Lab Sample Number								



SAMPLE LOCATION	OFFICE				RESULT	OUTDOOR			
CLIENT SAMPLE NUMBER	139748					139749			
RESULT	✓ Normal					Control			
Spore Identification	Raw Count	Spores per m ³	Percent of Total	In/Out		Raw Count	Spores per m ³	Percent of Total	lr
Alternaria	-	-	-	-		1	15	1	
Ascospores	-	-	-	-		3	46	1	
Basidiospores	6	92	1	0.29:1		21	323	1	
Cladosporium	3	46	1	0.3:1		10	154	1	
Hyphal Elements	1	15	1	-		-	-	-	
No Fungal Spores Seen.	-	-	-	-		-	-	-	
Penicillium/Aspergillus Group	1	15	1	1:1		1	15	1	
Smuts,Periconia,Myxomycetes	3	46	1	0.33:1		9	138	1	
Unknown	-	-	-	-		-	-	-	
Total	14	214	5%			45	691	6%	
Debris Rating	3*					2*			
Analytical Sensitivity	15					15			
Sample Volume (L)	0					0			
Lab Sample Number									



SAMPLE LOCATION	BATHROOM				RESULT	OUTDOOR			
CLIENT SAMPLE NUMBER	142930					139749			
RESULT	✓ Normal					Control			
Spore Identification	Raw Count	Spores per m ³	Percent of Total	In/Out		Raw Count	Spores per m ³	Percent of Total	lr
Alternaria	-	-	-	-		1	15	1	
Ascospores	-	-	-	-		3	46	1	
Basidiospores	6	92	1	0.29:1		21	323	1	
Cladosporium	12	185	1	1.2:1		10	154	1	
Hyphal Elements	1	15	1	-		-	-	-	
No Fungal Spores Seen.	-	-	-	-		-	-	-	
Penicillium/Aspergillus Group	3	46	1	3:1		1	15	1	
Smuts,Periconia,Myxomycetes	2	31	1	0.22:1		9	138	1	
Unknown	-	-	-	-		-	-	-	
Total	24	369	5%			45	691	6%	
Debris Rating	3*					2*			
Analytical Sensitivity	15					15			
Sample Volume (L)	0					0			
Lab Sample Number									



SAMPLE LOCATION	MASTER BEDROOM				RESULT	OUTDOOR			
CLIENT SAMPLE NUMBER	142949					139749			
RESULT	✓ Normal					Control			
Spore Identification	Raw Count	Spores per m ³	Percent of Total	In/Out		Raw Count	Spores per m ³	Percent of Total	lr
Alternaria	1	15	1	1:1		1	15	1	
Ascospores	1	15	1	0.33:1		3	46	1	
Basidiospores	8	123	1	0.38:1		21	323	1	
Cladosporium	2	31	1	0.2:1		10	154	1	
Hyphal Elements	1	15	1	-		-	-	-	
No Fungal Spores Seen.	-	-	-	-		-	-	-	
Penicillium/Aspergillus Group	2	31	1	2:1		1	15	1	
Smuts,Periconia,Myxomycetes	2	31	1	0.22:1		9	138	1	
Unknown	-	-	-	-		-	-	-	
Total	17	261	7%			45	691	6%	
Debris Rating	3*					2*			
Analytical Sensitivity	15					15			
Sample Volume (L)	0					0			
Lab Sample Number									



SAMPLE LOCATION	CLOSET				RESULT	OUTDOOR			
CLIENT SAMPLE NUMBER	142931					139749			
RESULT	✓ Normal					Control			
Spore Identification	Raw Count	Spores per m ³	Percent of Total	In/Out		Raw Count	Spores per m ³	Percent of Total	lr
Alternaria	-	-	-	-		1	15	1	
Ascospores	1	15	1	0.33:1		3	46	1	
Basidiospores	8	123	1	0.38:1		21	323	1	
Cladosporium	4	62	1	0.4:1		10	154	1	
Hyphal Elements	1	15	1	-		-	-	-	
No Fungal Spores Seen.	-	-	-	-		-	-	-	
Penicillium/Aspergillus Group	3	46	1	3:1		1	15	1	
Smuts,Periconia,Myxomycetes	2	31	1	0.22:1		9	138	1	
Unknown	-	-	-	-		-	-	-	
Total	19	292	6%			45	691	6%	
Debris Rating	3*					2*			
Analytical Sensitivity	15					15			
Sample Volume (L)	0					0			
Lab Sample Number									



SAMPLE LOCATION	KITCHEN				RESULT	OUTDOOR			
CLIENT SAMPLE NUMBER	142950					139749			
RESULT	✓ Normal					Control			
Spore Identification	Raw Count	Spores per m ³	Percent of Total	In/Out		Raw Count	Spores per m ³	Percent of Total	Ir
Alternaria	-	-	-	-		1	15	1	
Ascospores	1	15	1	0.33:1		3	46	1	
Basidiospores	10	154	1	0.48:1		21	323	1	
Cladosporium	2	31	1	0.2:1		10	154	1	
Hyphal Elements	1	15	1	-		-	-	-	
No Fungal Spores Seen.	-	-	-	-		-	-	-	
Penicillium/Aspergillus Group	2	31	1	2:1		1	15	1	
Smuts,Periconia,Myxomycetes	1	15	1	0.11:1		9	138	1	
Unknown	-	-	-	-		-	-	-	
Total	17	261	6%			45	691	6%	
Debris Rating	3*					2*			
Analytical Sensitivity	15					15			
Sample Volume (L)	0					0			
Lab Sample Number									

LAB ANALYSIS

SURFACE SAMPLE RESULTS

SAMPLE LOCATION	HEATER ROOM
LAB SAMPLE NUMBER	
RESULT	No species found

FOOTNOTES & ADDITIONAL REPORT INFORMATION

- A. The results in this analysis pertain only to this sample location(s), collected on the stated date and should not be used in the interpretation of any other sample location(s). This report may not be duplicated, except in full, without the written consent of My Mold Detective, LLC. (MMD)
- B. Neither the laboratory nor MMD bear any responsibility for sample collection activities, analytical method limitations, or your use of the test results. Interpretation and use of test results are your (consumer's) responsibility. Any reference to health effects or interpretation of mold

levels is strictly the opinion of MMD. In no event, shall MMD or any of its employees be liable for lost profits or any special, incidental or consequential damages arising out of your use of the test results.

- Γ. My Mold Detective (MMD) should not be used to verify if remediation activities are successful. Industry standards and some state legislation requires a qualified third-party Indoor Environmental Professional (IEP) to verify if a work area is successfully remediated. Third-party Post Remediation Verification Testing (PRVT) and assessments should always include: 1) onsite visual assessment 2) moisture readings (Rh & moisture content) 3) observations of active moisture intrusions 4) evaluation of remediation contractor's containments 5) analysis of potential cross contamination from work areas to adjacent non-remediated work areas 6) mold sampling as deemed applicable by qualified IEP.

- Δ. There are no federal or national standards for the numbers of fungal spores that may be present in the indoor environment. As a general rule and guideline that is widely accepted in the indoor air quality field, the numbers and types of spores that are present in the indoor environment should be comparable to those that are present outdoors at any given time. There will always be some mold spores present in "Normal" indoor environments. The purpose of sampling and counting spore counts to help determine whether an abnormal condition exists within the indoor environment and if it does, to help pinpoint the area of contamination. Spore count should not be used as the sole determining factor of mold contamination. There are many factors that can cause anomalies in the comparison of indoor and outdoor samples due to the dynamic nature of both of those environments.

DEBRIS RATING TABLE

● Minimal (less than 5%) particulate present	Reported values are minimally affected by particulate load.
● 5% to 25% of the trace occluded with particulate	
● 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.
● 76% to 90% of the trace occluded with particulate	
● Greater than 90% of the trace occluded with particulate	Quantification not possible due to large negative bias. New samples should be collected at shorter time interval, or other measures taken to reduce the particulate load.

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Particulate	Definition
ALTERNARIA	<p>Alternaria spores are one of the most common and potent indoor and outdoor airborne allergens. A</p> <p>Allergenic Potential: Type I allergies (hay fever, asthma) & Type III (hypersensitivity pneumonitis)</p> <p>Potential Toxins Produced: Alternariol, Alternariol monomethylether, Tenuazonic acid, Altenue</p>
ASCOSPORES	<p>Ascospores are the result of sexual reproduction and produced in a saclike structure called an ascus.</p> <p>Allergenic Potential: Depends on genus and species</p>
BASIDIOSPORES	<p>Basidiospores are the result of sexual reproduction and formed on a structure called the basidium. B</p> <p>Allergenic Potential: Type I allergies (hay fever, asthma) & Type III (hypersensitivity pneumonitis)</p> <p>Potential Toxins Produced: Amanitins, monomethyl-hydrazine, muscarine, ibotenic acid, psiloc</p>
CLADOSPORIUM	<p>Distinctive, with wide variation in size and shape. Spores with dark attachment scars and some olive t</p> <p>Allergenic Potential: Type I allergies (hay fever, asthma). Type III hypersensitivity pneumonitis: H</p> <p>Potential Toxins Produced: Cladosporin, Emodin</p>
HYPHAL ELEMENTS	<p>Hyphal elements refer to fragments of the filamentous structures (hyphae) that make up the body of</p> <p>Allergenic Potential: Type I allergies (hay fever, asthma).</p> <p>Potential Toxins Produced: Not currently known.</p>
PENICILLIUM/ASPERGILLUS GROUP	<p>Aspergillus is the second most common opportunistic pathogen following Candida. Penicillium is on</p> <p>Allergenic Potential: Allergic bronchopulmonary aspergillosis (ABPA) which is common in asthm</p> <p>Potential Toxins Produced: Aspergillus: 3-Nitropropionic acid, 5-metoxystermatocystin, Aflato:</p> <p>Penicillium: Citrinin, Citreoviridin, Cyclopiazonic acid, Fumitremorgen B, Grisiofulvin, Janthitrens,</p>
SMUTS, PERICONIA, MYXOMYCETES	<p>Smut fungi belong to the order Ustilaginales and there are about 4000 known species. The myxomy</p> <p>Allergenic Potential: Type I allergies (hay fever, asthma).</p> <p>Potential Toxins Produced: None currently known.</p>

FOOTNOTES

- A. Dash (-) in this report, under the raw count column of the Air Sample Results table means 'not detected' (ND): otherwise 'not applicable' (NA).
- B. 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 calculated counts may be less than the positive hole corrected total.
- F. Due to rounding totals may not equal 100%.
- Δ. Minimum Reporting Limits (MRL) for BULKS, DUSTS, SWABS, and WATER samples are a calculation based on the sample size and the dilution plate on which the organism was counted. Results are a compilation of counts taken from multiple dilutions and multiple medias. This means that every genus of fungi or bacteria recovered can be counted on the plate on which it is best represented.
- E. If the final quantitative result is corrected for contamination based on the blank correction is stated in the sample comments section of the report.
- Z. Analysis conducted on non-viable spore traps is completed in the Indoor Environmental Standards Organization Standard 2210.
- H. The results in this report are related to this project and these samples only.

DISCLAIMER

This document was designed to follow currently known industry guidelines for the interpretation of microbial sampling and analysis. Since interpretation of mold analysis reports is a scientific work in progress, it may as such be changed at any time without notice. The client is solely responsible for the use or interpretation. My Mold Detective, LLC makes no express or implied warranties as to health of a property from only the samples sent to their laboratory for analysis. The client is hereby notified that due to the subjective nature of fungal analysis and the mold growth process, laboratory samples can and do change over time relative to the originally sampled material. My Mold Detective, LLC reserves the right to properly dispose of all samples after the testing of such samples is sufficiently completed or after a 7 day period, whichever is greater.

