



Aladdin Environmental LLC

321 W. Josephine * San Antonio, TX 78212 * 210-736-1826x218 * Fax 210-732-3667
John Spalten – Texas Mold Assessment Consultant MAC0383

May 27, 2008

San Antonio Housing Authority
Attn: Bart Swider, Mirasol Project Manager
459 Precious Street
San Antonio, TX 78237

Re: 440 Precious, San Antonio, TX

Dear Mr. Swider:

Aladdin Environmental is pleased to submit this environmental evaluation on the above residence located at 440 Precious, San Antonio, TX. This limited evaluation was performed on May 22nd, 2008. We have observed the standard of care generally exercised by the profession under similar circumstances and conditions to complete this report.

Mold spores are common in indoor environments. It is not the presence of molds in indoor air that is cause for concern. However, the amplification and dissemination of fungal spores in elevated levels can decrease indoor air quality and lead to adverse health effects.

On the following page, are the samples taken along with any observations and/or suggestions. Based on observations there is no evidence of microbial contamination. However, the lab results show the air samples to be elevated, with more detail on the following page. The actual report provided by the lab is included as well.

The indoor air quality evaluation observations and testing results detailed in this report are for a single sampling episode. Any changes in ambient conditions may have an effect on future conditions. Moisture control is the key to mold control.

We appreciate the opportunity to perform this service for you. Please contact me if you have any further questions.

Sincerely,

John Spalten
MAC0383

Enc: Lab Report

Analyses of the laboratory samples taken along with observations and/or suggestions are as follows:

Air Samples

A1 – Outside

- Sample taken for comparison.

A2 – Kitchen/Living

- Lab results show counts of numerous types of mold at levels below the outside sample, with the exception of *Aspergillus/Penicillium*. This is considered an elevated count. The overall count is higher than the outside count.

A3 – Hall @ Bedrooms

- Lab results show counts of numerous types of mold at levels below the outside sample, with the exception of *Aspergillus/Penicillium*. This is considered an elevated count. The overall count is lower than the outside count.

Swab Samples

S1 – Kitchen – baseboard

- Lab results indicate “low to rare” counts of several mold types. The low to rare counts are within generally accepted guidelines. A recommendation has been made below.

General Recommendations and/or Observations

- Inspected areas throughout the house. The house was considered fair in cleanliness.
 - Walls were checked around plumbing fixtures, windows and other possible moisture sources using a moisture meter and all readings were normal
 - The HVAC unit, supply ductwork and registers do not appear to have recently been replaced.
 - Kitchen – The base on either side of the back door showed excess caulk along with dirt/debris.
 - Hall Bath – The base behind the toilet showed signs of water damage, but no elevated moisture.
 - Recommend the base behind the toilet be removed & replaced. If damage is found on the sheetrock behind the base, it should be removed as well.
 - Master Bath – The base behind the toilet and the vanity showed signs of water damage, but no elevated moisture.
 - Recommend the base behind the toilet be removed & replaced. If damage is found on the sheetrock behind the base, it should be removed as well.
 - Recommend the vanity be removed & replaced.
 - Baseboards – throughout – showed signs of dirt/debris.
 - Recommend the baseboards be cleaned and sanitized.
 - Recommend the baseboards be maintained to prevent debris buildup.
- Recommend the air quality be checked again after the above recommendations along with the scheduled maintenance items (HVAC & duct replacement, etc.).



EMSL Analytical, Inc.

2501 Central Parkway, Suite C-17 Houston, TX 77092

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Attn: John Spalten
Aladdin Environmental LLC
321 W. Josephine
San Antonio, TX 78212

EMSL Order: 150802744
Customer ID: ALLA22
Received: 5/23/08
Analyzed: 5/23/08
Report Date: 5/23/08

Proj: SAHA-440PRE

Air-O-Cell™ Cassette Analysis of Fungal Spores & Other Airborne Particulates by Optical Microscopy (EMSL Method M001)

Lab Sample Number:	150802744-0001	150802744-0002	150802744-0003		
Client Sample ID:	A1	A2	A3		
Volume (L):	75	75	75		
Sample Location:		Kitchen/Living	Hall @ B/R's		
Spore Types	Count/m ³	Count/m ³	Count/m ³		
Agrocybe/Coprinus	-	-	-		
Alternaria	210	126	42		
Ascospores	630	504	210		
Aspergillus/Penicillium	126	2480	2480		
Basidiospores	84	42	42		
Bipolaris	84	42	-		
Chaetomium	-	-	-		
Cladosporium	2060	1090	546		
Curvularia	-	-	-		
Epicoccum	126	84	42		
Fusarium	-	-	-		
Ganoderma	-	-	-		
Myxomycete	420	84	-		
Paecilomyces	-	336	-		
Rust	-	-	-		
Scopulariopsis	-	-	-		
Stachybotrys	-	-	-		
Torula	-	42	-		
Ulocladium	-	-	-		
Unidentifiable Spores	84	-	-		
Zygomycetes	-	-	-		
Cercospora	168	-	-		
Nigrospora	42	-	-		
Total Fungi	4030	4830	3360		
Fibrous Particulate	42	84	-		
Hyphal Fragment	42	42	-		
Insect Fragment	-	-	-		
Pollen	-	-	-		
Analyt. Sensitivity 600x	42	42	42		
Analyt. Sensitivity 300x	13*	13*	13*		
Skin Fragments (1-4)	1	1	1		
Background (1-5)	1	1	3		

No discernable field blank was submitted with this group of samples.
AIHA EMLAP Accreditation #102575

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "*" Denotes particles found at 300X. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. Results have not been adjusted for field or laboratory blank unless otherwise noted. Samples received in good condition unless otherwise noted.

spv2.7.7.8

For information on the fungi listed in this report please visit the Resources section at www.emsl.com

Melanie Beck

JS



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San Antonio, TX 78212

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Customer ID: ALLA22
Received: 5/23/08
Analyzed: 5/23/08
Report Date: 5/23/08

Proj: SAHA-440PRE

Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Swab Samples (EMSL Method: M041)

Lab Sample Number:	150802744-0004				
Client Sample ID:	S1				
Sample Location:	Kitchen-Base				
Spore Types	Category				
Agrocybe/Coprinus	-				
Alternaria	-				
Ascospores	Rare				
Aspergillus/Penicillium	-				
Basidiospores	Rare				
Bipolaris	-				
Chaetomium	-				
Cladosporium	-				
Curvularia	-				
Epicoccum	-				
Fusarium	-				
Ganoderma	-				
Myxomycete	-				
Paecilomyces	-				
Rust	-				
Scopulariopsis	-				
Stachybotrys	-				
Torula	-				
Ulocladium	-				
Unidentifiable Spores	-				
Zygomycetes	-				
Arthrospores	Low				
Fibrous Particulate	-				
Hyphal Fragment	-				
Insect Fragment	-				
Pollen	-				

Category: Count/per area analyzed Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

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

* Sample contains fruiting structures and/or hyphae associated

Melanie Beck

AIHA EMLAP Accreditation #102575

Samples were received in good condition unless otherwise noted on this report. EMSL Analytical maintains liability limited to cost of analysis. Interpretation of the data contained in this report is the responsibility of the client. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL Analytical. EMSL Analytical bears no responsibility for the sample collection activities or analytical method limitations.

Dir-Ver1.7.8.7

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

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Chain of Custody

Environmental Microbiology Lab Services

EMSL Analytical, Inc.
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Houston, TX 77092
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<http://www.emsl.com>

Please print all information legibly.

150302744

Company:	Aladdin Environmental LLC	Bill To:	Aladdin Environmental LLC
Address1:	321 W. Josephine	Address1:	321 W. Josephine
Address2:		Address2:	
City, State:	San Antonio, TX	City, State:	San Antonio, TX
Zip Post Code:	78212	Zip Post Code:	78212
Country:		Country:	
Contact Name:	John Spalten	Attn:	John Spalten
Phone:	210-736-1826	Phone:	210-736-1826
Fax:	2107323667	Fax:	2107323667
Email:	johns@aladdincleans.com	Email:	johns@aladdincleans.com
EMSL Rep:		P.O. Number:	
Project Name/Number: SAHA-440PRE			

Project Name SAHA-440PRE Date Collected 5-2-08 Date Sent 5-22-08

Other Information:

<i>For EMSL use only</i>
EMSL Order No. _____
Sample(s) received in good condition? [Y][N]
Discernable field blank submitted? [Y][N]

Sample ID	Sample Location	Sample Type	Volume (liters), Area (sq. cm), or Weight (grams)	Analysis Code*	Turn-around Time*	Comments
A1		AIR	75L	4M 1001	24 Hr	Temp/Hum 85°/60%
A2	KITCHEN/LIVING					85°/58%
A3	HALL @ B/2's					83°/55%
S1	KITCHEN - BASE	SWAB	1 sq cm	1041		

*See attached schedule

Relinquished by: John Spalten

Date: 5-22-08 Time: 10:45 A

Received by: Y. M. ...

Date: 5/23/08 Time: 9:00 am

EMSL-MI-COCv4.0
July 2003

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JES