



# EXPANDED FUNGAL REPORT <sup>TM</sup>

## Prepared Exclusively For

GeoEarth Env Sampling Prof (GEEPS)

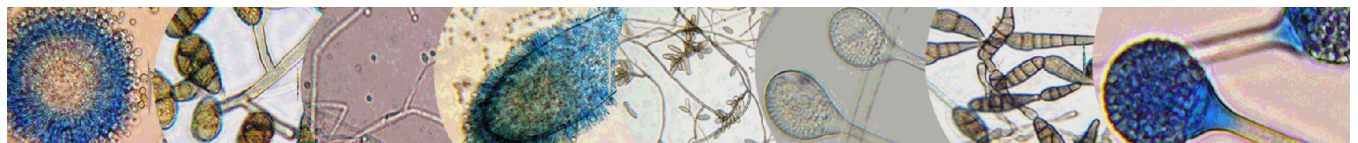
1717 East Vista Chino

Unit # 7-PMB215

Palm Springs, CA 92262

Phone:855-426-2742

**Report Date:** 11/13/2019  
**Project:** Linda 58137-PT-1119-ZMPro  
**LA Testing Order:** 711900758



This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPPro

## 1. Description of Analysis

### Analytical Laboratory

LA Testing (LA Testing) is a nationwide, full service, analytical testing laboratory network providing Asbestos, Mold, Indoor Air Quality, Microbiological, Environmental, Chemical, Forensic, Materials, Industrial Hygiene and Mechanical Testing services since 1981. Ranked as the premier independently owned environmental testing laboratory in the nation, LA Testing puts analytical quality as its top priority. This quality is recognized by many well-respected federal, state and private accrediting agencies, and assured by our high quality personnel, including many Ph.D. microbiologists and mycologists.

LA Testing is an independent laboratory that performed the analysis of these samples. LA Testing did not conduct the sampling or site investigation for this report. The samples referenced herein were analyzed under strict quality control procedures using state-of-the-art microbiological methods. The analytical methods used and the data presented are scientifically and legally defensible.

The laboratory data is provided in compliance with ISO-IEC 17025 guidelines for the particular test(s) requested, including any associated limitations for the methods employed. These data are intended for use by professionals having knowledge of the testing methods necessary to interpret them accurately.



## LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

### Air Samples - Spore traps:

Spore traps are commercially available sampling devices that capture airborne particles on an adhesive slide. Air is pulled through the device using a vacuum pump. Spores, as well as other airborne particles, are impacted on the collection adhesive. Using spore trap collection methods has inherent limitations. These collection methods are biased towards larger spore sizes.

The analysis for total spore counts is a direct microscopic examination and does not include culturing or growing the fungi. Therefore, the results include both viable and non-viable spores. Some fungal groups produce similar spore types that cannot be distinguished by direct microscopic examination alone (i.e., *Aspergillus/Penicillium*, and others). Other spore types may lack distinguishing features that aid in their identification. These types are grouped into larger categories such as Ascospores or Basidiospores.

Fungal spores are identified and grouped by morphological characteristics including color, shape, septation, ornamentation, and fruiting structures (if present) which are compared to published mycological identification keys and texts. LA Testing reports provide spore counts per cubic meter of air to three significant figures. Please note that each spore category is reported to three significant figures. Due to rounding and the application of three significant figures the sum of the individual spore numbers may not equal the total spore count on the report. LA Testing does not maintain responsibility for final volume concentrations (counts/m<sup>3</sup>) since this volume is provided by the field collector and can not be verified by LA Testing.

LA Testing analyzes spore traps using phase contrast microscopy. There is a wide choice of collection devices (Air-O-Cell, Micro-5, Burkhard, etc.) on the market. Differences in analytical method may exist between spore trap devices.

Spore trap results are reported in spores per cubic meter of air. Due to the other airborne particles collected with the spores, LA Testing reports a background particle density. Background density is an indication of overall particulate matter present on the sample (i.e. dust in the air). High background concentrations may obscure spores such as the *Penicillium/Aspergillus* group. The rating system is from 1-5 with 1 = 1 - 25% of the background obscured by material, 2 = 26 - 50%, 3 = 51 - 75%, 4 = 76% - 99%, 5 = 100% or overloaded. A background rating of 4 or higher should be regarded as a minimum count since the actual concentrations may be higher than those reported. LA Testing will not be held responsible for overloading of samples. Sample volumes are left to the discretion of the company or persons conducting the fieldwork.

Skin fragment density is the percentage of skin cells making up the total background material, 1 = 1 - 25%, 2 = 26 - 50%, 3 = 51 - 75%, 4 = 76-100%. Skin fragment density is considered an indication of the general cleanliness in the area sampled. It has been estimated that up to 90% of household dust consists of dead skin cells.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report.

Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825 Fax: (909) 295-6826 Web: <http://www.LATesting.com> Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

## 2. Analytical Results

See attached data reports and charts.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

**EMSL Order:** 711900758  
**Customer ID:** 32GEPS26  
**Collected:** 11/12/2019  
**Received:** 11/12/2019  
**Analyzed:** 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPPro

### Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	711900758-0001			711900758-0002			711900758-0003		
Client Sample ID:	1x Ext Air			2 Int Air			3 Int Air		
Volume (L):	75			75			75		
Sample Location:	back of home			Bedroom large			Bedroom small		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	1*	10*	7.7	-	-	-	-	-	-
Ascospores	1*	10*	7.7	-	-	-	-	-	-
Aspergillus/Penicillium	2*	30*	23.1	2	90	69.2	1	40	80
Basidiospores	1	40	30.8	-	-	-	-	-	-
Bipolaris++	-	-	-	-	-	-	1*	10*	20
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	1	40	30.8	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	1	40	30.8	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
<b>Total Fungi</b>	<b>6</b>	<b>130</b>	<b>100</b>	<b>3</b>	<b>130</b>	<b>100</b>	<b>2</b>	<b>50</b>	<b>100</b>
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	1*	10*	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	43	-	-	43	-	-	43	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	2	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	2	-	-	1	-

Carolynn Tom, Laboratory Manager  
or Other Approved Signatory

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

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

Samples received in good condition unless otherwise noted. 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. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "\*" Denotes particles found at 300X. "-" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The report reflects the samples as received. When the information supplied by the customer can affect the validity of the result, it will be noted on the report.  
Samples analyzed by LA Testing Ontario, CA

Report amended: 11/13/2019 17:58:59 Replaces initial report from:11/13/2019 15:40:19 Reason Code: Client-Other (see report comment)

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report.  
Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

**EMSL Order:** 711900758  
**Customer ID:** 32GEPS26  
**Collected:** 11/12/2019  
**Received:** 11/12/2019  
**Analyzed:** 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPPro

## Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	711900758-0004			711900758-0005			711900758-0006		
Client Sample ID:	4 Int Air			5 Int Air			6 Int Air		
Volume (L):	75			75			75		
Sample Location:	Master closet			Bathroom			Living rm/ kitchen		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	2*	30*	0.4	-	-	-	-	-	-
Ascospores	5	200	2.8	13	560	47.5	-	-	-
Aspergillus/Penicillium	151	6440	89.2	3	100	8.5	12	510	83.6
Basidiospores	-	-	-	1	40	3.4	1*	10*	1.6
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	1*	10*	0.1	4	200	16.9	1*	10*	1.6
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	1	40	3.4	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	5	200	2.8	5	200	16.9	1	40	6.6
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	1	40	3.4	-	-	-
Stachybotrys/Memnoniella	8	300	4.2	-	-	-	-	-	-
Unidentifiable Spores	1	40	0.6	-	-	-	1	40	6.6
Zygomycetes	-	-	-	-	-	-	-	-	-
<b>Total Fungi</b>	<b>173</b>	<b>7220</b>	<b>100</b>	<b>28</b>	<b>1180</b>	<b>100</b>	<b>16</b>	<b>610</b>	<b>100</b>
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	1	40	-	1	40	-	-	-	-
Pollen	-	-	-	1	40	-	-	-	-
Analyt. Sensitivity 600x	-	43	-	-	43	-	-	43	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	2	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	2	-	-	1	-
Background (1-5)	-	3	-	-	4	-	-	2	-

Carolynn Tom, Laboratory Manager  
or Other Approved Signatory

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

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

Samples received in good condition unless otherwise noted. 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. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "\*" Denotes particles found at 300X. "-" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The report reflects the samples as received. When the information supplied by the customer can affect the validity of the result, it will be noted on the report.  
Samples analyzed by LA Testing Ontario, CA

Report amended: 11/13/2019 17:58:59 Replaces initial report from: 11/13/2019 15:40:19 Reason Code: Client-Other (see report comment)

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report.  
Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

**EMSL Order:** 711900758  
**Customer ID:** 32GEPS26  
**Collected:** 11/12/2019  
**Received:** 11/12/2019  
**Analyzed:** 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPPro

### Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	711900758-0007			711900758-0008			711900758-0009		
Client Sample ID:	7 Int Air			8 W/C			9 W/C		
Volume (L):	75			75			75		
Sample Location:	Garage			Bath rm N/ wall by vanity			Bed rm large S/ wall		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	1	40	11.4	-	-	-	-	-	-
Ascospores	1	40	11.4	-	-	-	-	-	-
Aspergillus/Penicillium	3	100	28.6	Present	Present	-	3	100	30.3
Basidiospores	1	40	11.4	-	-	-	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	1	40	12.1
Cladosporium	-	-	-	-	-	-	3	100	30.3
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	2	90	27.3
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	2	90	25.7	Present*	Present*	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	1	40	11.4	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
<b>Total Fungi</b>	<b>9</b>	<b>350</b>	<b>100</b>	-	-	-	<b>9</b>	<b>330</b>	<b>100</b>
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	1	40	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	43	-	-	43	-	-	43	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	5	-	-	2	-

**Sample Comments:** 711900758-0008 Overloaded

Carolynn Tom, Laboratory Manager  
or Other Approved Signatory

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

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

Samples received in good condition unless otherwise noted. 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. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. \*\*\* Denotes particles found at 300X. "\*" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The report reflects the samples as received. When the information supplied by the customer can affect the validity of the result, it will be noted on the report.  
Samples analyzed by LA Testing Ontario, CA

Report amended: 11/13/2019 17:58:59 Replaces initial report from: 11/13/2019 15:40:19 Reason Code: Client-Other (see report comment)

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report.  
Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.





# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

**EMSL Order:** 711900758  
**Customer ID:** 32GEPS26  
**Collected:** 11/12/2019  
**Received:** 11/12/2019  
**Analyzed:** 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPPro

### Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	711900758-0010			711900758-0011		
Client Sample ID:	10 W/C			11 W/C		
Volume (L):	75			75		
Sample Location:	Master closet N/ wall			Living rm ceiling		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-
Ascospores	-	-	-	-	-	-
Aspergillus/Penicillium	Present	Present	-	9	400	100
Basidiospores	-	-	-	-	-	-
Bipolaris++	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-
Rust	-	-	-	-	-	-
Scopulariopsis/Microascus	Present	Present	-	-	-	-
Stachybotrys/Memnoniella	Present	Present	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-
<b>Total Fungi</b>	-	-	-	<b>9</b>	<b>400</b>	<b>100</b>
Hyphal Fragment	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-
Pollen	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	43	-	-	43	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	2	-
Background (1-5)	-	5	-	-	2	-

**Sample Comments:** 711900758-0010 Overloaded

Carolynn Tom, Laboratory Manager  
or Other Approved Signatory

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

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

Samples received in good condition unless otherwise noted. 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. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "\*" Denotes particles found at 300X. "-" Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. The report reflects the samples as received. When the information supplied by the customer can affect the validity of the result, it will be noted on the report.  
Samples analyzed by LA Testing Ontario, CA

Report amended: 11/13/2019 17:58:59 Replaces initial report from: 11/13/2019 15:40:19 Reason Code: Client-Other (see report comment)

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report.  
Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.





# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

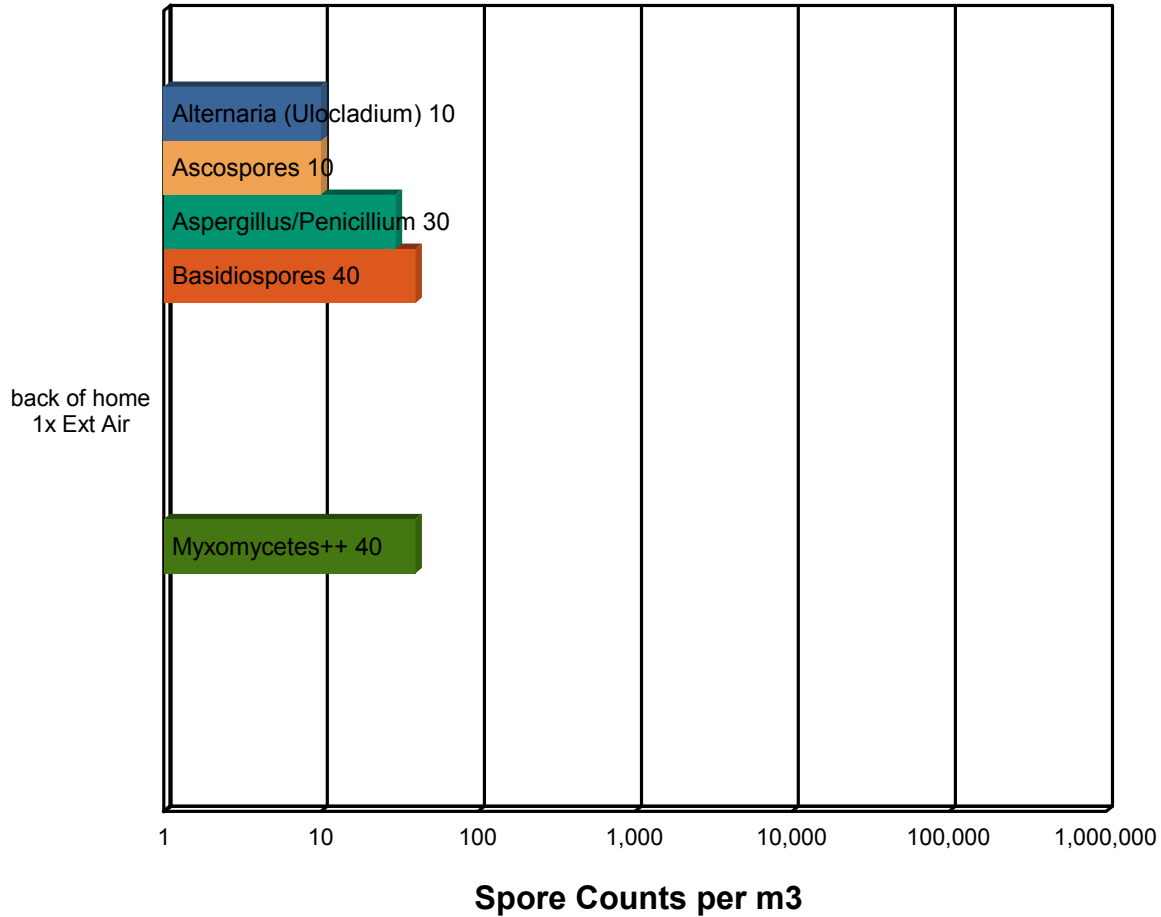
Email: [InlandEmpireLab@lateesting.com](mailto:InlandEmpireLab@lateesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

**EMSL Order:** 711900758  
**Customer ID:** 32GEPS26  
**Collected:** 11/12/2019  
**Received:** 11/12/2019  
**Analyzed:** 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPPro

## Spore Trap Report: Total Counts



Alternaria (Ulocladium)	Ascospores	Aspergillus/Penicillium
Basidiospores	Bipolaris++	Chaetomium
Cladosporium	Fusarium	Myxomycetes++
Scopulariopsis/Microascus	Stachybotrys/Memnoniella	Unidentifiable Spores

\* The chart is displayed using a logarithmic scale. Bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

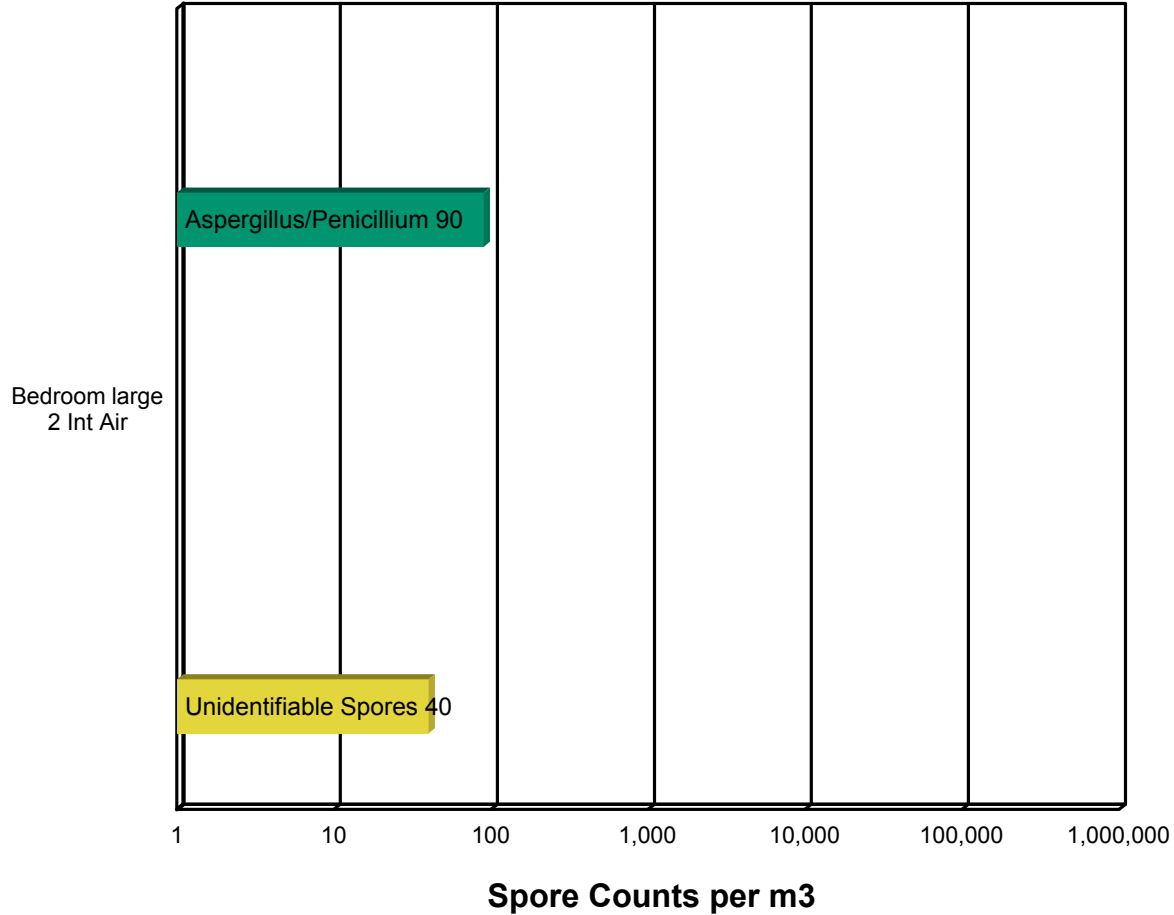
Phone: (909)-295-6825 Fax: (909) 295-6826 Web: <http://www.LATesting.com> Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPPro

## Spore Trap Report: Total Counts



■ Alternaria (Ulocladium)	■ Ascospores	■ Aspergillus/Penicillium
■ Basidiospores	■ Bipolaris++	■ Chaetomium
■ Cladosporium	■ Fusarium	■ Myxomycetes++
■ Scopulariopsis/Microascus	■ Stachybotrys/Memnoniella	■ Unidentifiable Spores

\* The chart is displayed using a logarithmic scale. Bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

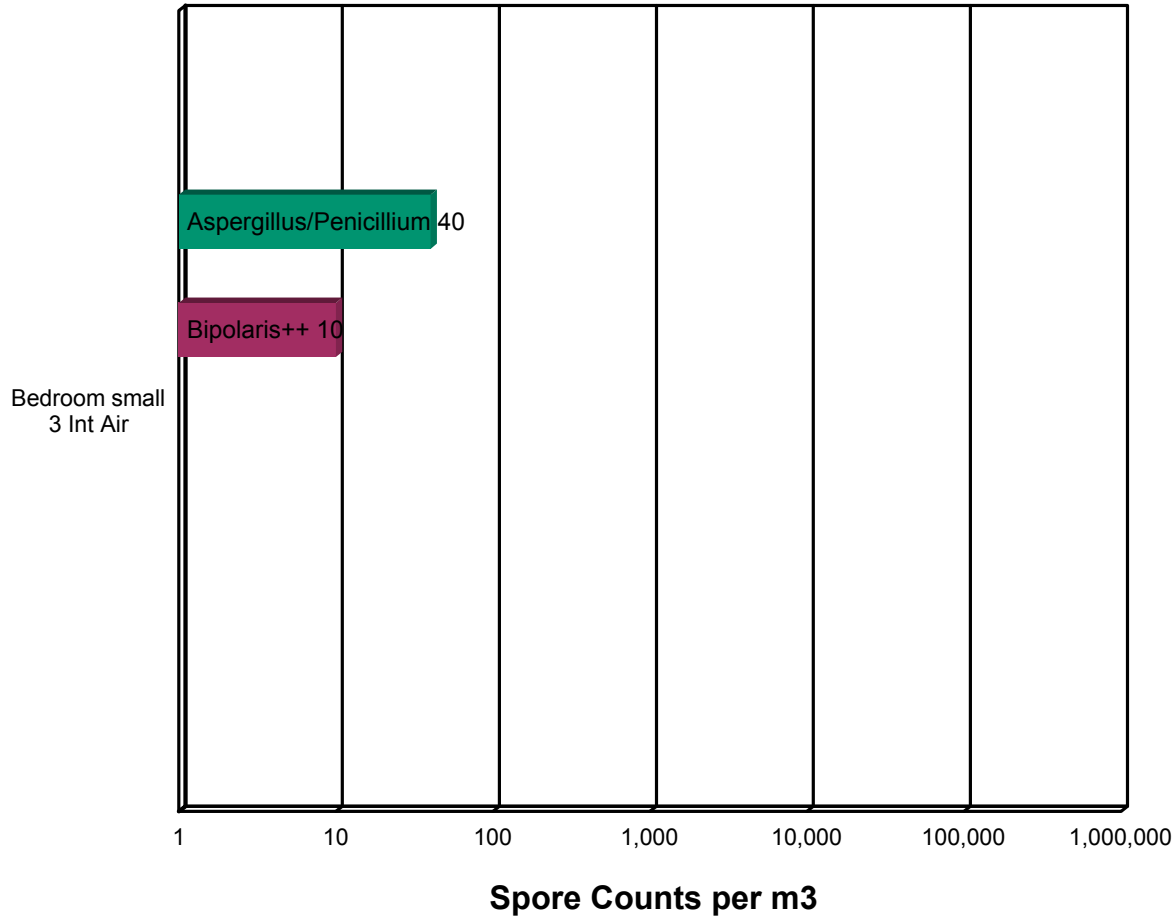
Email: [InlandEmpireLab@lateesting.com](mailto:InlandEmpireLab@lateesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

**EMSL Order:** 711900758  
**Customer ID:** 32GEPS26  
**Collected:** 11/12/2019  
**Received:** 11/12/2019  
**Analyzed:** 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPPro

## Spore Trap Report: Total Counts



■ Alternaria (Ulocladium)	■ Ascospores	■ Aspergillus/Penicillium
■ Basidiospores	■ Bipolaris++	■ Chaetomium
■ Cladosporium	■ Fusarium	■ Myxomycetes++
■ Scopulariopsis/Microascus	■ Stachybotrys/Memnoniella	■ Unidentifiable Spores

\* The chart is displayed using a logarithmic scale. Bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

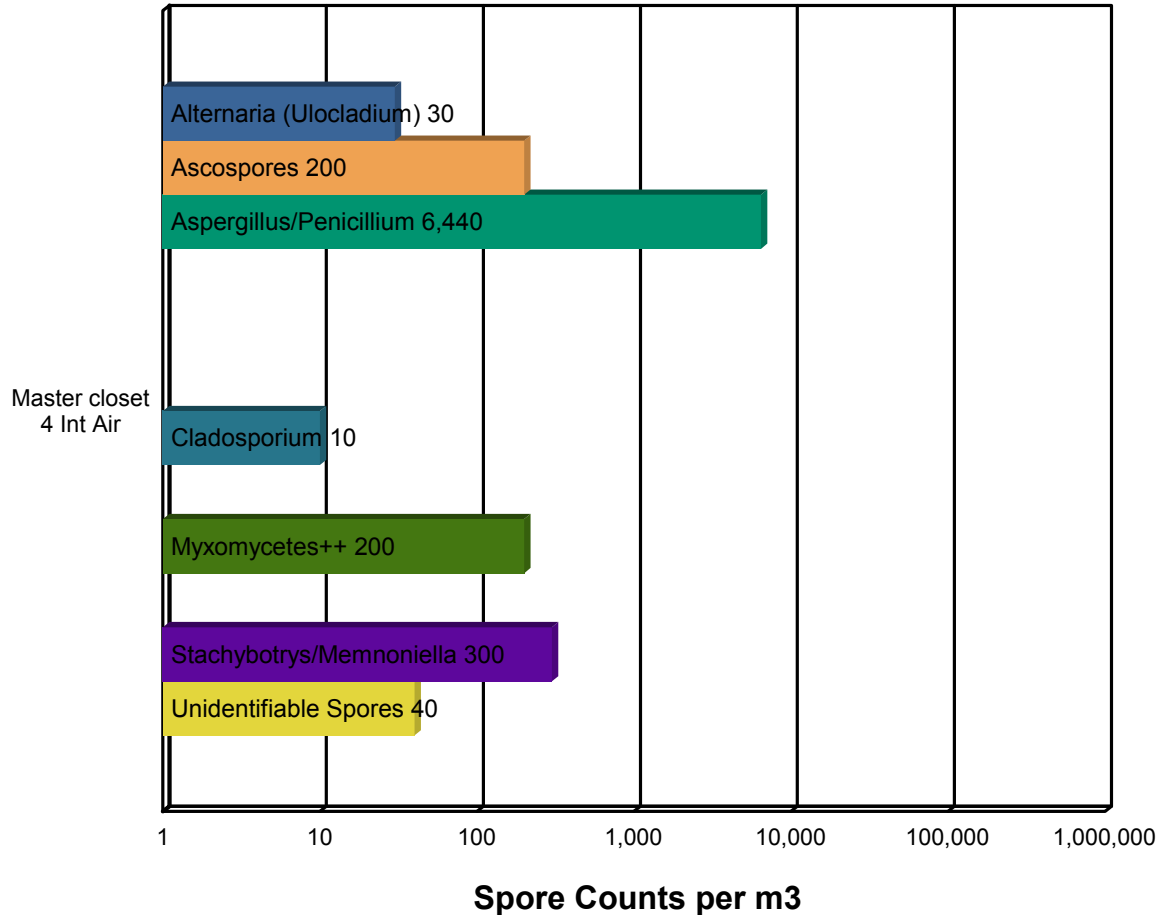
Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

**EMSL Order:** 711900758  
**Customer ID:** 32GEPS26  
**Collected:** 11/12/2019  
**Received:** 11/12/2019  
**Analyzed:** 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

## Spore Trap Report: Total Counts



■ Alternaria (Ulocladium)	■ Ascospores	■ Aspergillus/Penicillium
■ Basidiospores	■ Bipolaris++	■ Chaetomium
■ Cladosporium	■ Fusarium	■ Myxomycetes++
■ Scopulariopsis/Microascus	■ Stachybotrys/Memnoniella	■ Unidentifiable Spores

\* The chart is displayed using a logarithmic scale. Bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

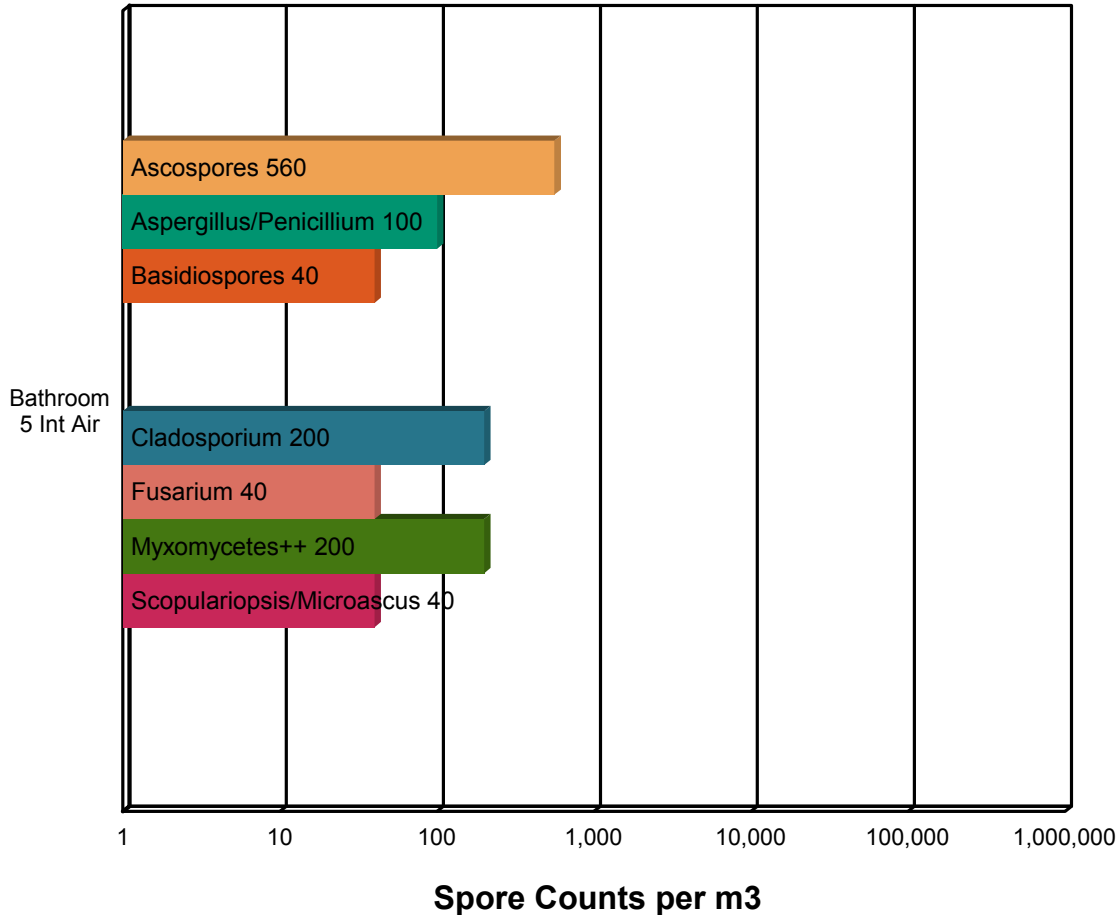
Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

**EMSL Order:** 711900758  
**Customer ID:** 32GEPS26  
**Collected:** 11/12/2019  
**Received:** 11/12/2019  
**Analyzed:** 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPPro

## Spore Trap Report: Total Counts



■ Alternaria (Ulocladium)	■ Ascospores	■ Aspergillus/Penicillium
■ Basidiospores	■ Bipolaris++	■ Chaetomium
■ Cladosporium	■ Fusarium	■ Myxomycetes++
■ Scopulariopsis/Microascus	■ Stachybotrys/Memnoniella	■ Unidentifiable Spores

\* The chart is displayed using a logarithmic scale. Bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

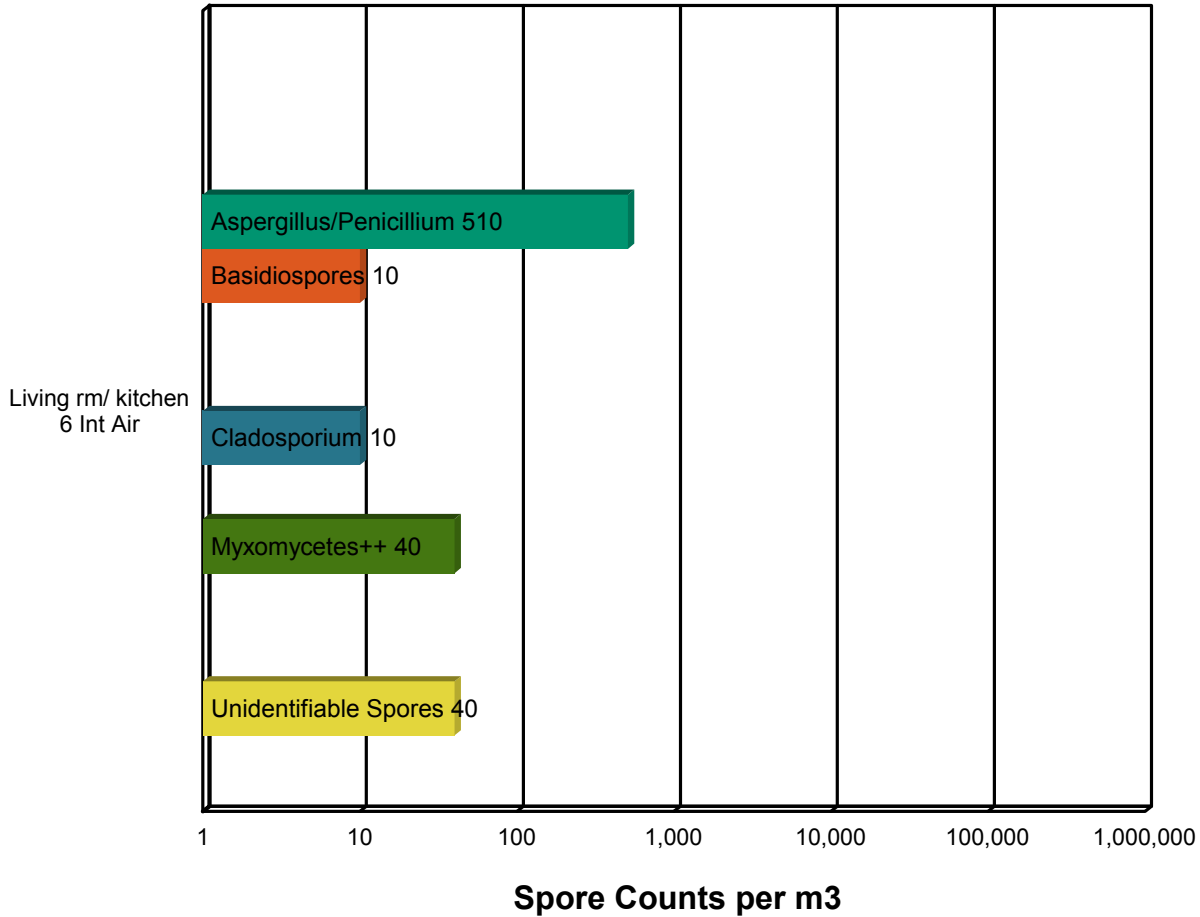
Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

**EMSL Order:** 711900758  
**Customer ID:** 32GEPS26  
**Collected:** 11/12/2019  
**Received:** 11/12/2019  
**Analyzed:** 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPPro

## Spore Trap Report: Total Counts



■ Alternaria (Ulocladium)	■ Ascospores	■ Aspergillus/Penicillium
■ Basidiospores	■ Bipolaris++	■ Chaetomium
■ Cladosporium	■ Fusarium	■ Myxomycetes++
■ Scopulariopsis/Microascus	■ Stachybotrys/Memnoniella	■ Unidentifiable Spores

\* The chart is displayed using a logarithmic scale. Bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

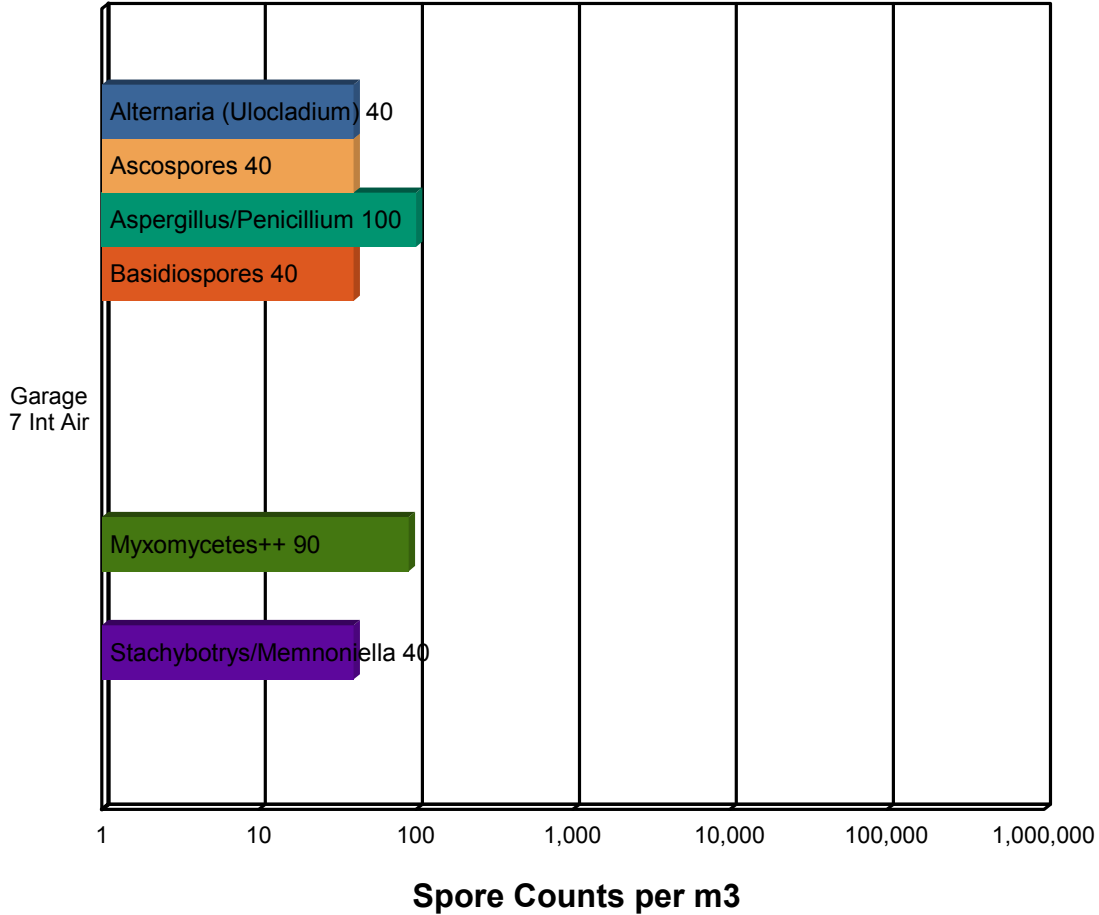
Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

**EMSL Order:** 711900758  
**Customer ID:** 32GEPS26  
**Collected:** 11/12/2019  
**Received:** 11/12/2019  
**Analyzed:** 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

## Spore Trap Report: Total Counts



Alternaria (Ulocladium)	Ascospores	Aspergillus/Penicillium
Basidiospores	Bipolaris++	Chaetomium
Cladosporium	Fusarium	Myxomycetes++
Scopulariopsis/Microascus	Stachybotrys/Memnoniella	Unidentifiable Spores

\* The chart is displayed using a logarithmic scale. Bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report.

Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.





# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

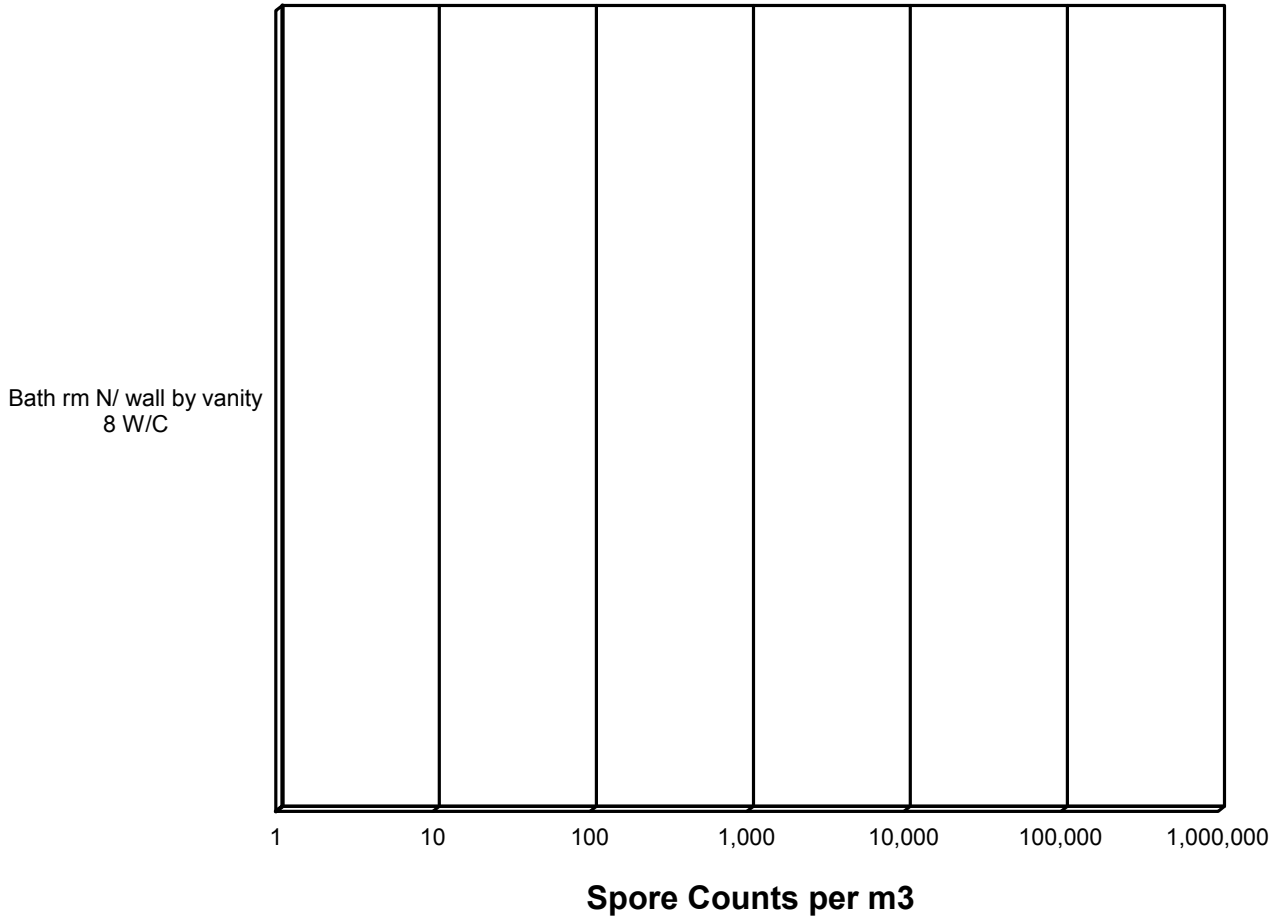
Phone: (909)-295-6825 Fax: (909) 295-6826 Web: <http://www.LATesting.com> Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPPro

## Spore Trap Report: Total Counts



■ Alternaria (Ulocladium)	■ Ascospores	■ Aspergillus/Penicillium
■ Basidiospores	■ Bipolaris++	■ Chaetomium
■ Cladosporium	■ Fusarium	■ Myxomycetes++
■ Scopulariopsis/Microascus	■ Stachybotrys/Memnoniella	■ Unidentifiable Spores

\* The chart is displayed using a logarithmic scale. Bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

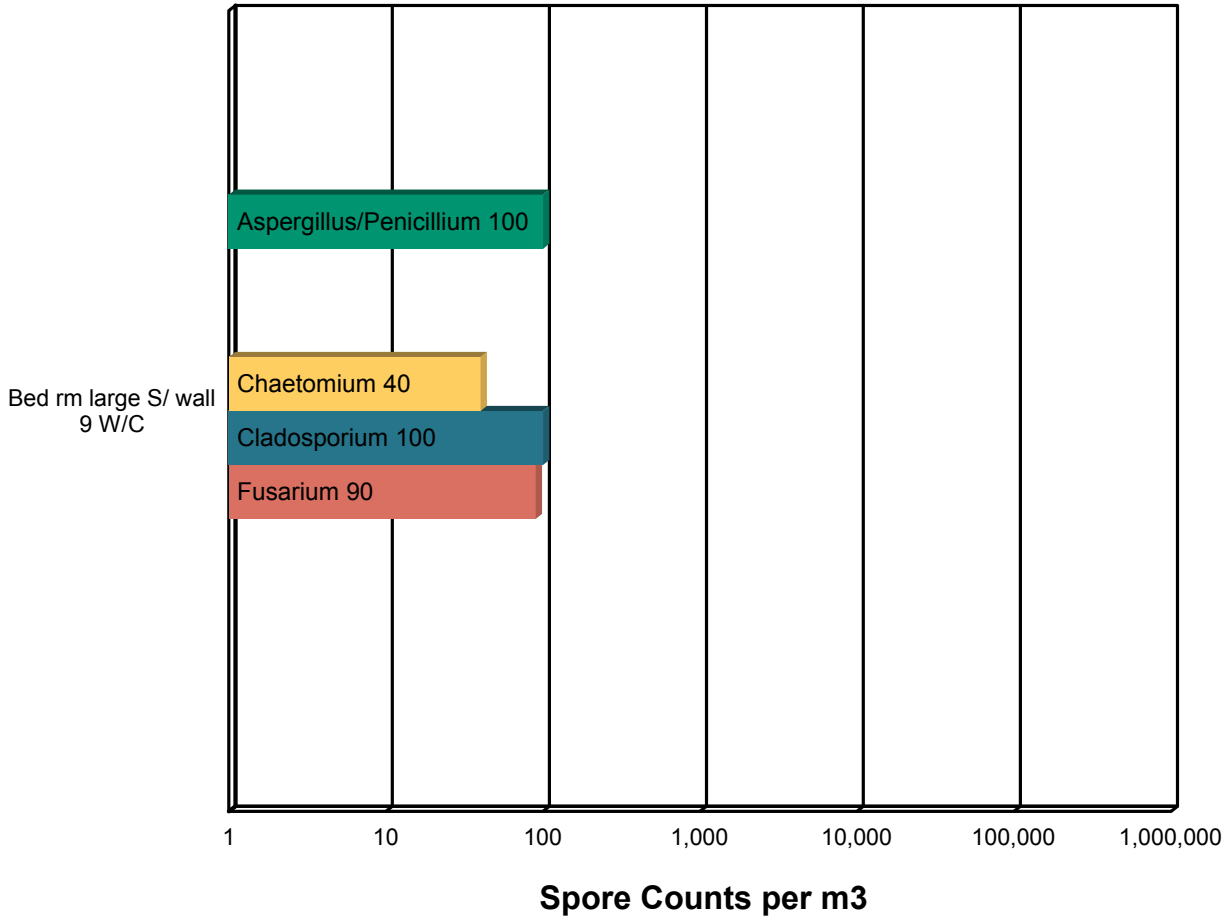
Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

**EMSL Order:** 711900758  
**Customer ID:** 32GEPS26  
**Collected:** 11/12/2019  
**Received:** 11/12/2019  
**Analyzed:** 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPPro

## Spore Trap Report: Total Counts



■ Alternaria (Ulocladium)	■ Ascospores	■ Aspergillus/Penicillium
■ Basidiospores	■ Bipolaris++	■ Chaetomium
■ Cladosporium	■ Fusarium	■ Myxomycetes++
■ Scopulariopsis/Microascus	■ Stachybotrys/Memnoniella	■ Unidentifiable Spores

\* The chart is displayed using a logarithmic scale. Bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

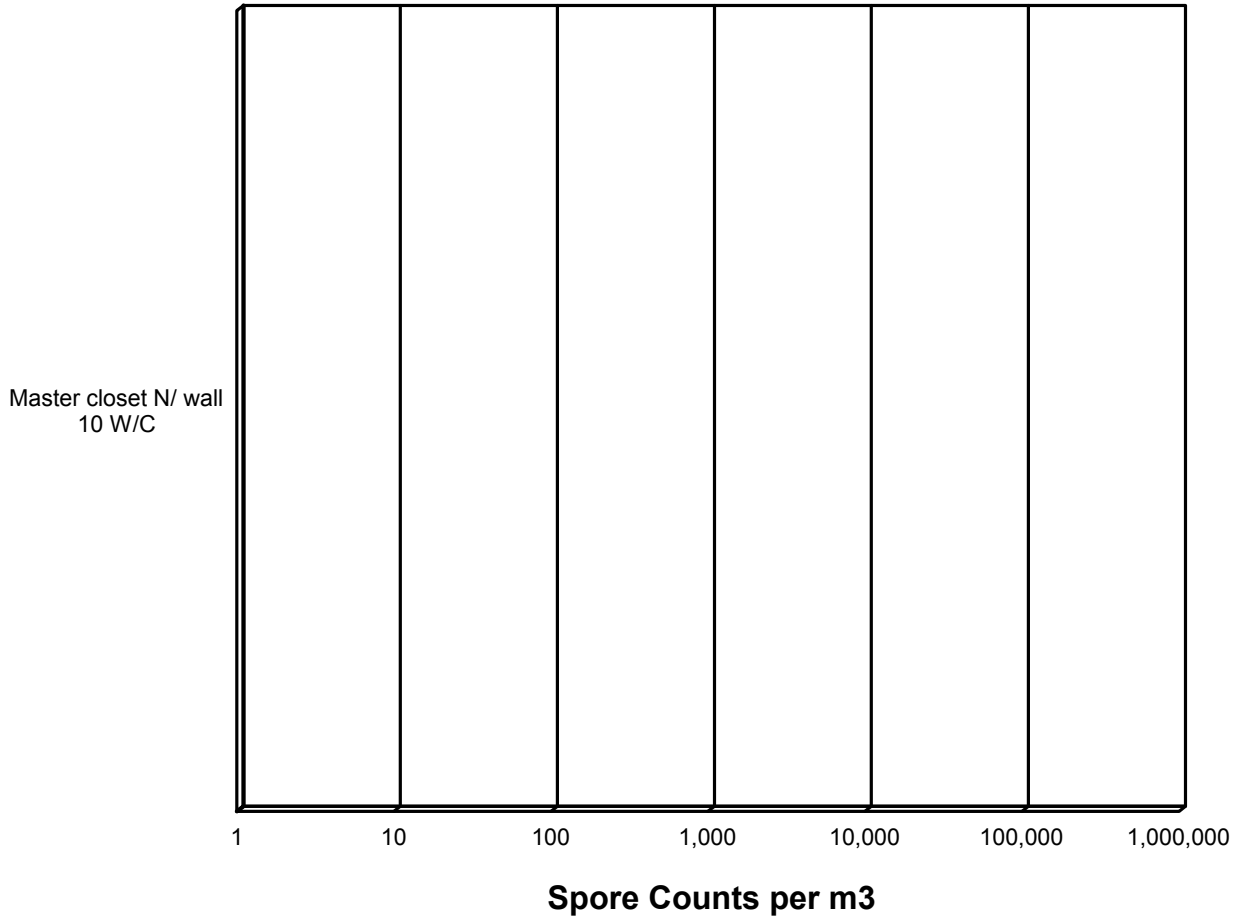
Phone: (909)-295-6825 Fax: (909) 295-6826 Web: <http://www.LATesting.com> Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPPro

## Spore Trap Report: Total Counts



■ Alternaria (Ulocladium)	■ Ascospores	■ Aspergillus/Penicillium
■ Basidiospores	■ Bipolaris++	■ Chaetomium
■ Cladosporium	■ Fusarium	■ Myxomycetes++
■ Scopulariopsis/Microascus	■ Stachybotrys/Memnoniella	■ Unidentifiable Spores

\* The chart is displayed using a logarithmic scale. Bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

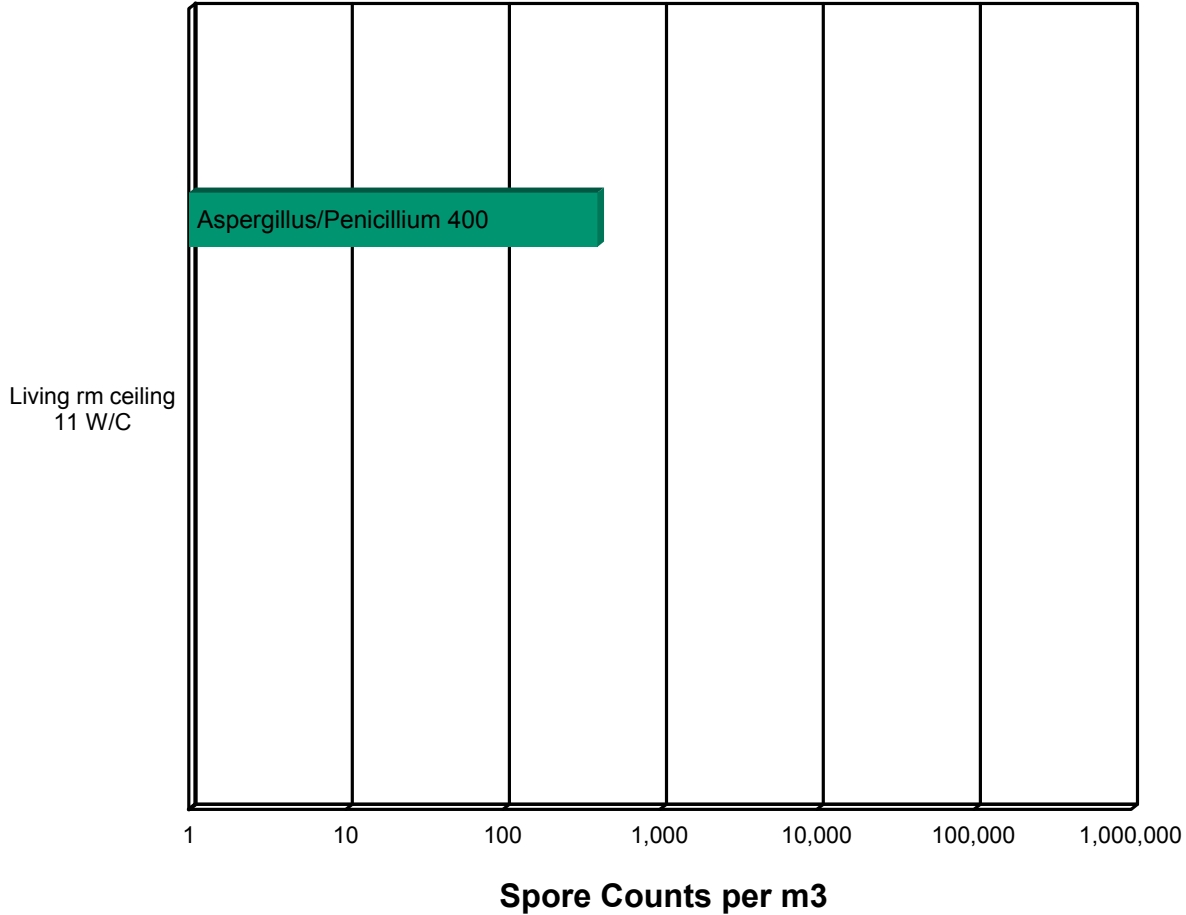
Phone: (909)-295-6825 Fax: (909) 295-6826 Web: <http://www.LATesting.com> Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPPro

## Spore Trap Report: Total Counts



■ Alternaria (Ulocladium)	■ Ascospores	■ Aspergillus/Penicillium
■ Basidiospores	■ Bipolaris++	■ Chaetomium
■ Cladosporium	■ Fusarium	■ Myxomycetes++
■ Scopulariopsis/Microascus	■ Stachybotrys/Memnoniella	■ Unidentifiable Spores

\* The chart is displayed using a logarithmic scale. Bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

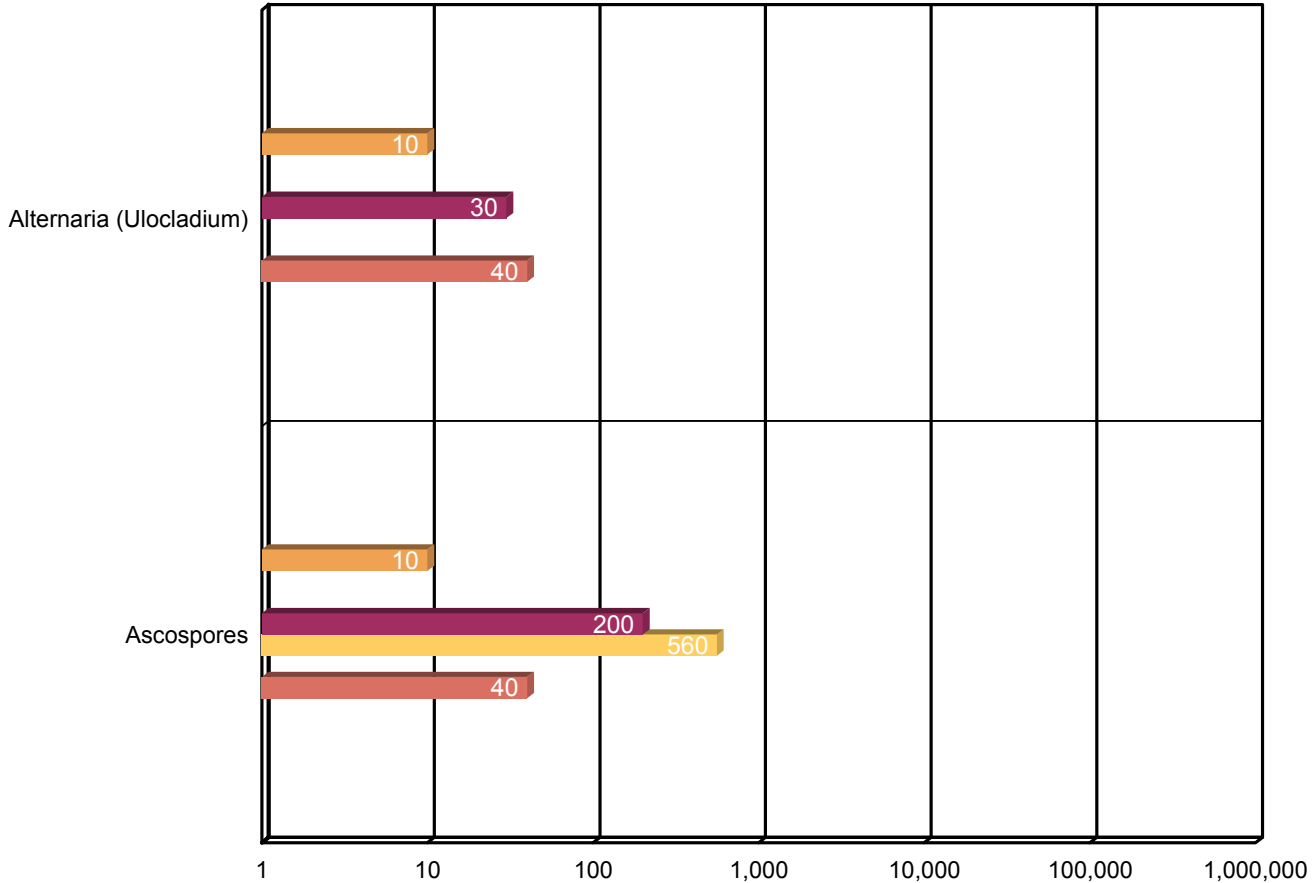
Phone: (909)-295-6825 Fax: (909) 295-6826 Web: <http://www.LATesting.com> Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

## Background Comparison Chart



### Spore Counts per m3

10 W/C Master closet N/ wall	1x Ext Air back of home	2 Int Air Bedroom large
3 Int Air Bedroom small	4 Int Air Master closet	5 Int Air Bathroom
6 Int Air Living rm/ kitchen	7 Int Air Garage	8 W/C Bath rm N/ wall by vanity
9 W/C Bed rm large S/ wall		

\* The chart is displayed using a logarithmic scale. The bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

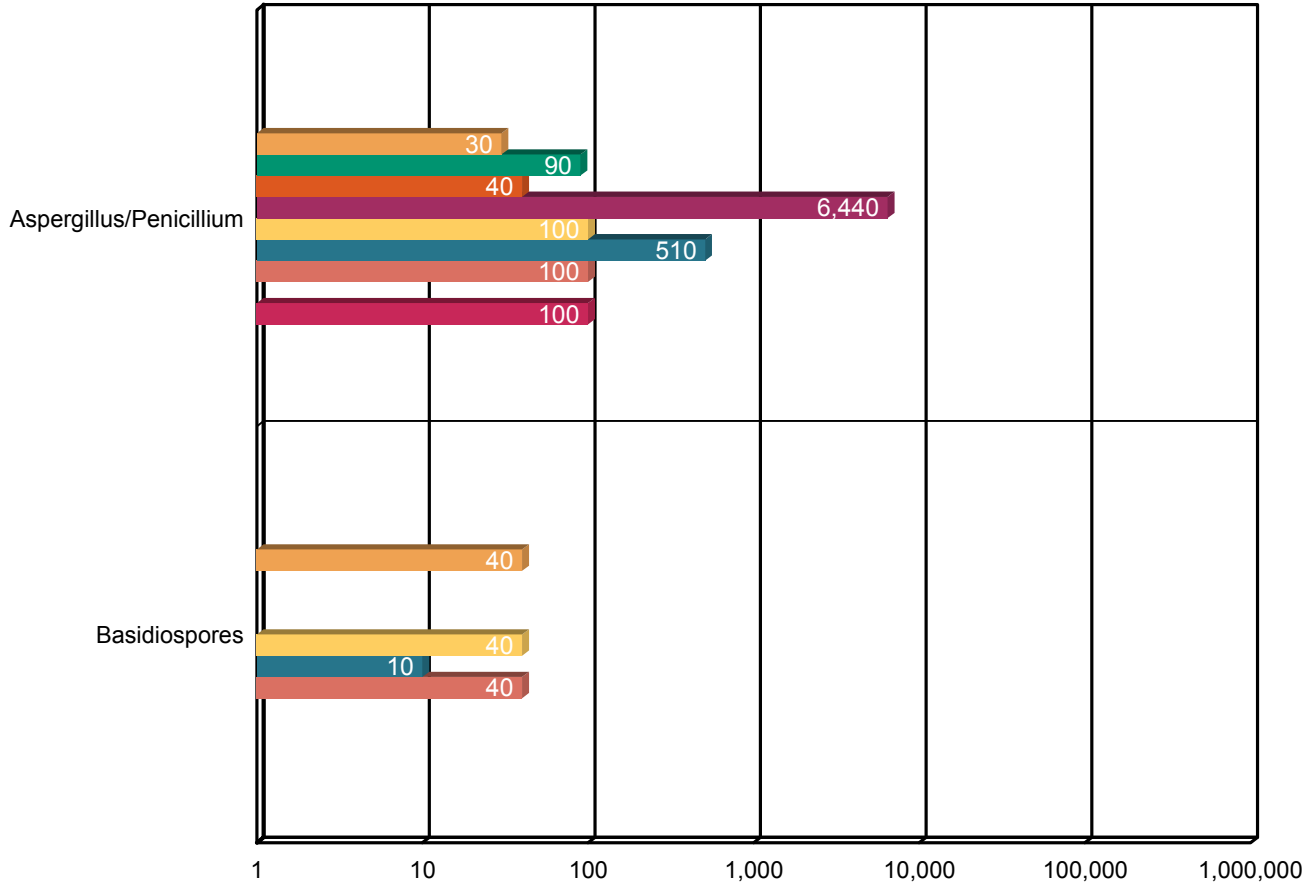
Phone: (909)-295-6825 Fax: (909) 295-6826 Web: <http://www.LATesting.com> Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

**EMSL Order:** 711900758  
**Customer ID:** 32GEPS26  
**Collected:** 11/12/2019  
**Received:** 11/12/2019  
**Analyzed:** 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPPro

## Background Comparison Chart



### Spore Counts per m3

10 W/C Master closet N/ wall	1x Ext Air back of home	2 Int Air Bedroom large
3 Int Air Bedroom small	4 Int Air Master closet	5 Int Air Bathroom
6 Int Air Living rm/ kitchen	7 Int Air Garage	8 W/C Bath rm N/ wall by vanity
9 W/C Bed rm large S/ wall		

\* The chart is displayed using a logarithmic scale. The bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

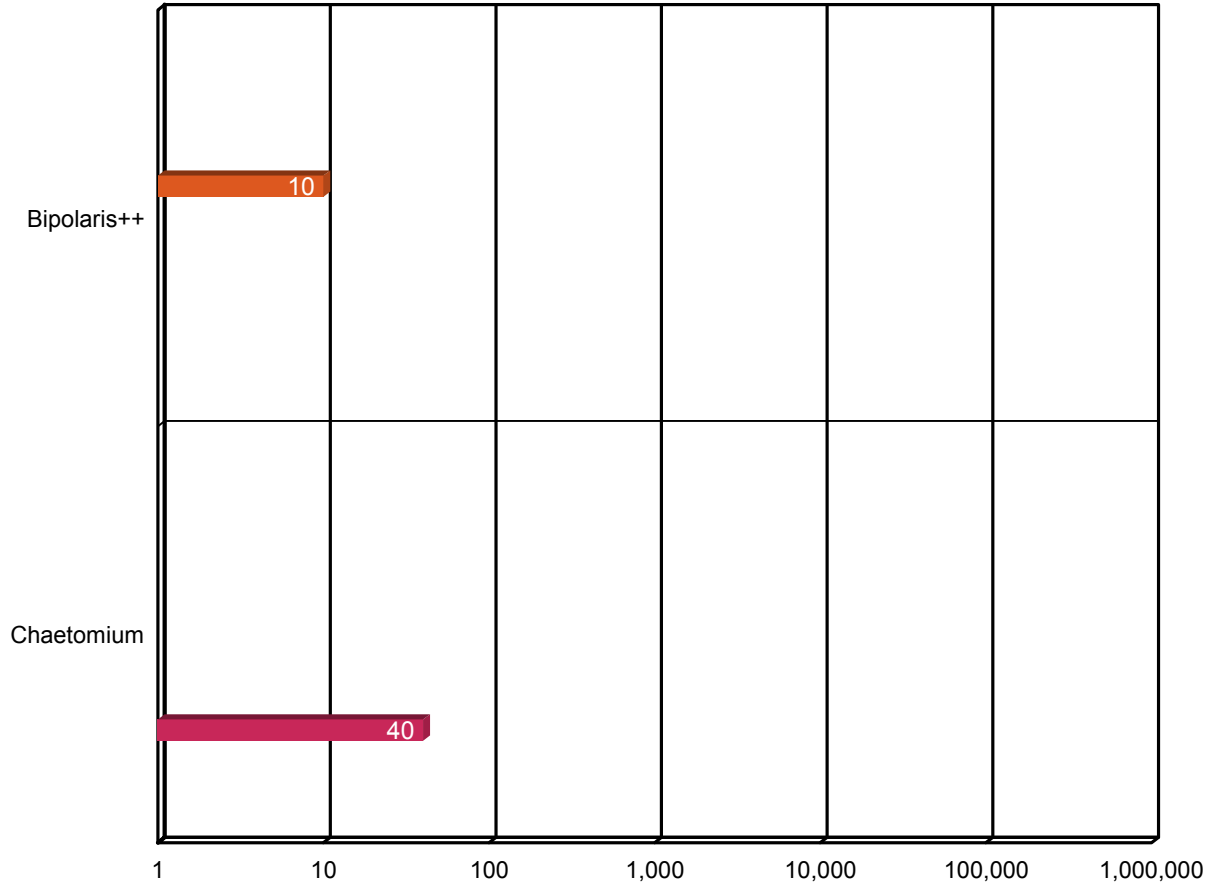
Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

## Background Comparison Chart



### Spore Counts per m3

10 W/C Master closet N/ wall	1x Ext Air back of home	2 Int Air Bedroom large
3 Int Air Bedroom small	4 Int Air Master closet	5 Int Air Bathroom
6 Int Air Living rm/ kitchen	7 Int Air Garage	8 W/C Bath rm N/ wall by vanity
9 W/C Bed rm large S/ wall		

\* The chart is displayed using a logarithmic scale. The bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report.

Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.





# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

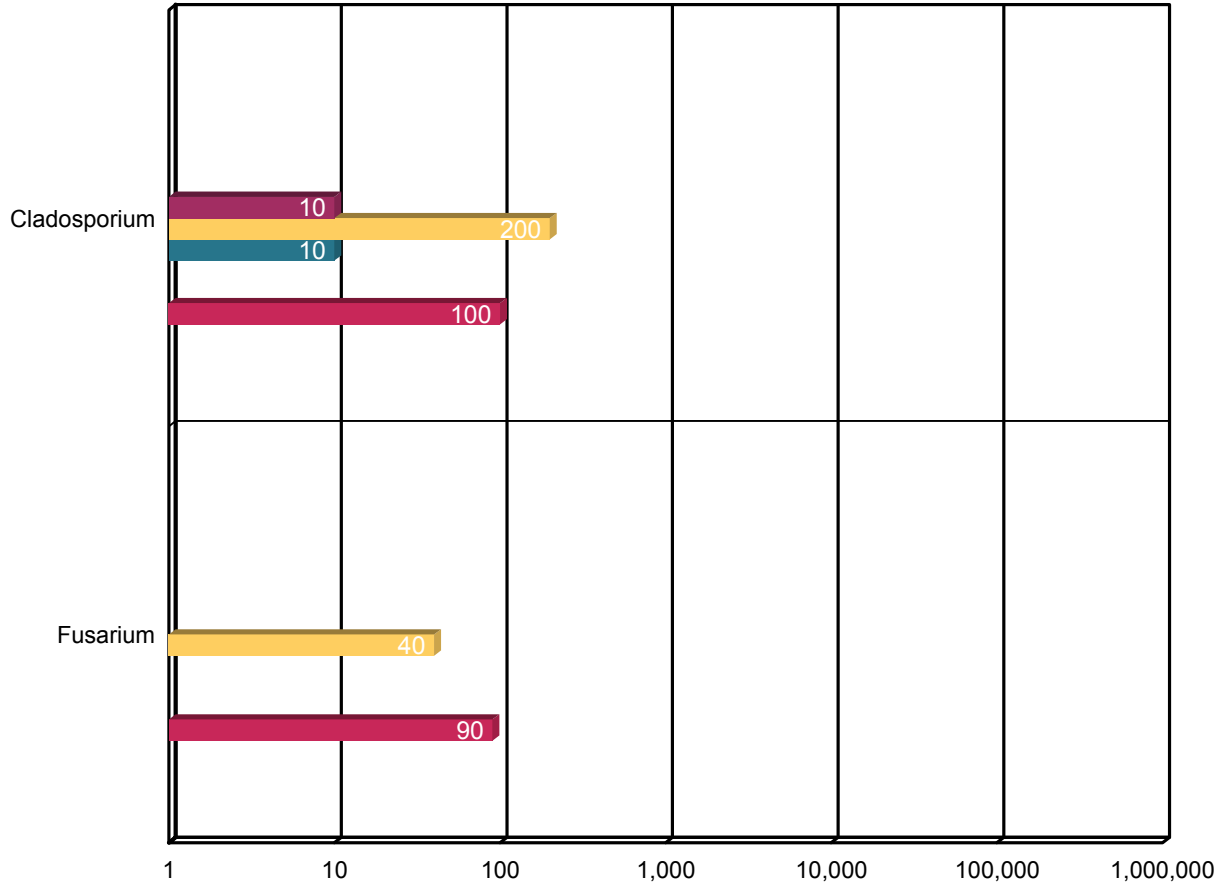
Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

## Background Comparison Chart



### Spore Counts per m3

10 W/C Master closet N/ wall	1x Ext Air back of home	2 Int Air Bedroom large
3 Int Air Bedroom small	4 Int Air Master closet	5 Int Air Bathroom
6 Int Air Living rm/ kitchen	7 Int Air Garage	8 W/C Bath rm N/ wall by vanity
9 W/C Bed rm large S/ wall		

\* The chart is displayed using a logarithmic scale. The bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report.

Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

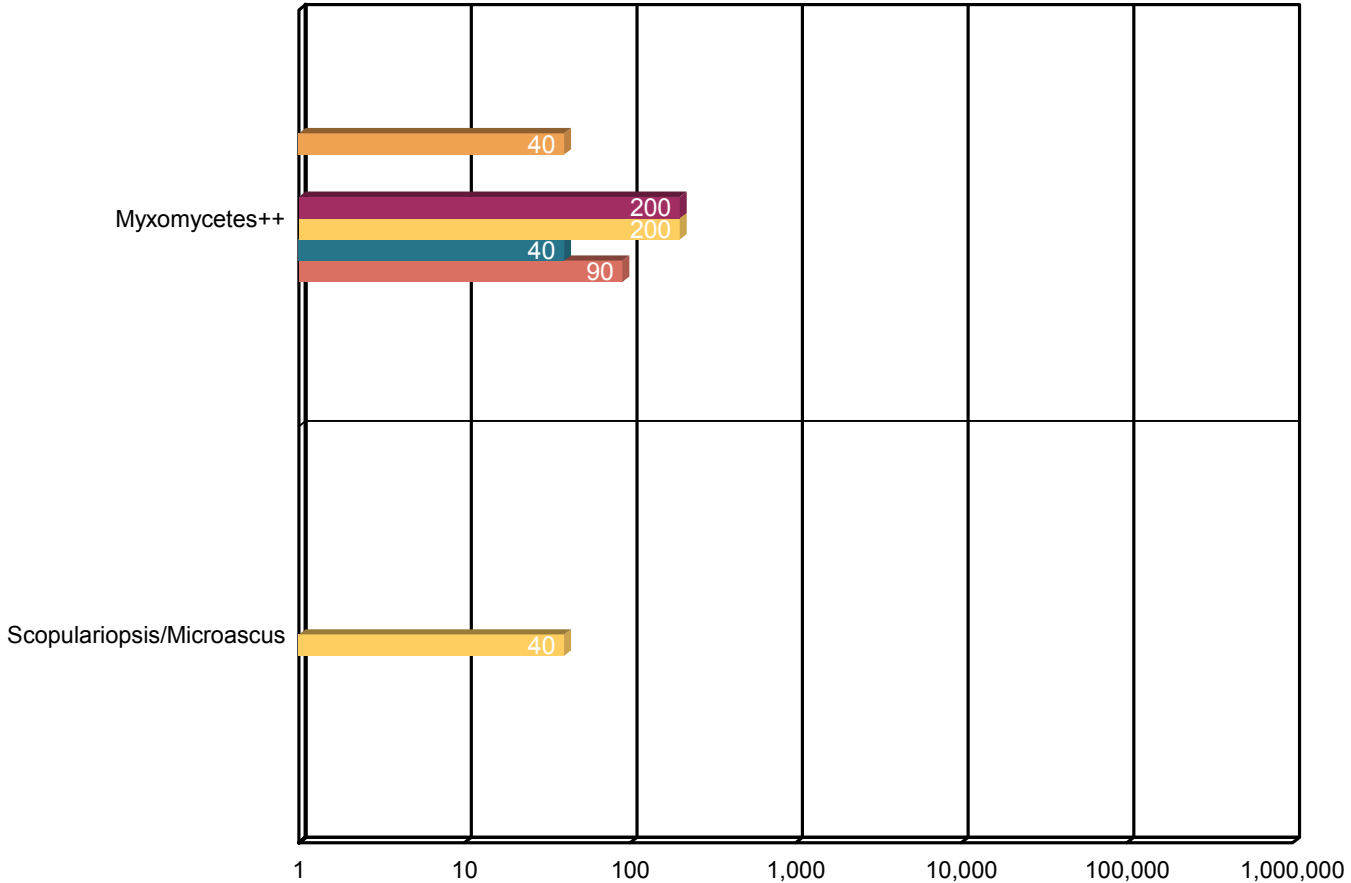
Phone: (909)-295-6825 Fax: (909) 295-6826 Web: <http://www.LATesting.com> Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

## Background Comparison Chart



### Spore Counts per m3

10 W/C Master closet N/ wall	1x Ext Air back of home	2 Int Air Bedroom large
3 Int Air Bedroom small	4 Int Air Master closet	5 Int Air Bathroom
6 Int Air Living rm/ kitchen	7 Int Air Garage	8 W/C Bath rm N/ wall by vanity
9 W/C Bed rm large S/ wall		

\* The chart is displayed using a logarithmic scale. The bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

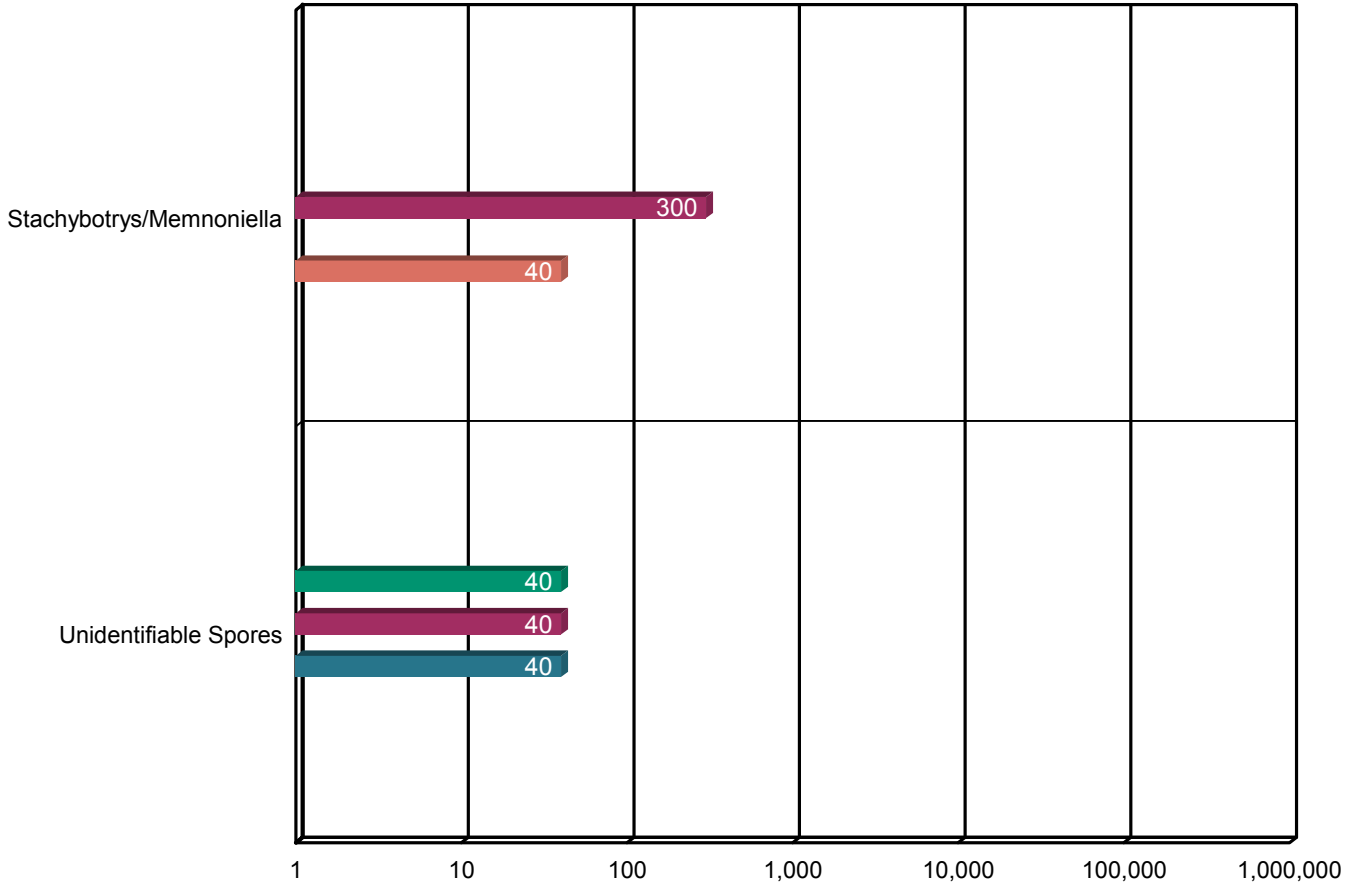
Phone: (909)-295-6825 Fax: (909) 295-6826 Web: <http://www.LATesting.com> Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

## Background Comparison Chart



### Spore Counts per m3

10 W/C Master closet N/ wall	1x Ext Air back of home	2 Int Air Bedroom large
3 Int Air Bedroom small	4 Int Air Master closet	5 Int Air Bathroom
6 Int Air Living rm/ kitchen	7 Int Air Garage	8 W/C Bath rm N/ wall by vanity
9 W/C Bed rm large S/ wall		

\* The chart is displayed using a logarithmic scale. The bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

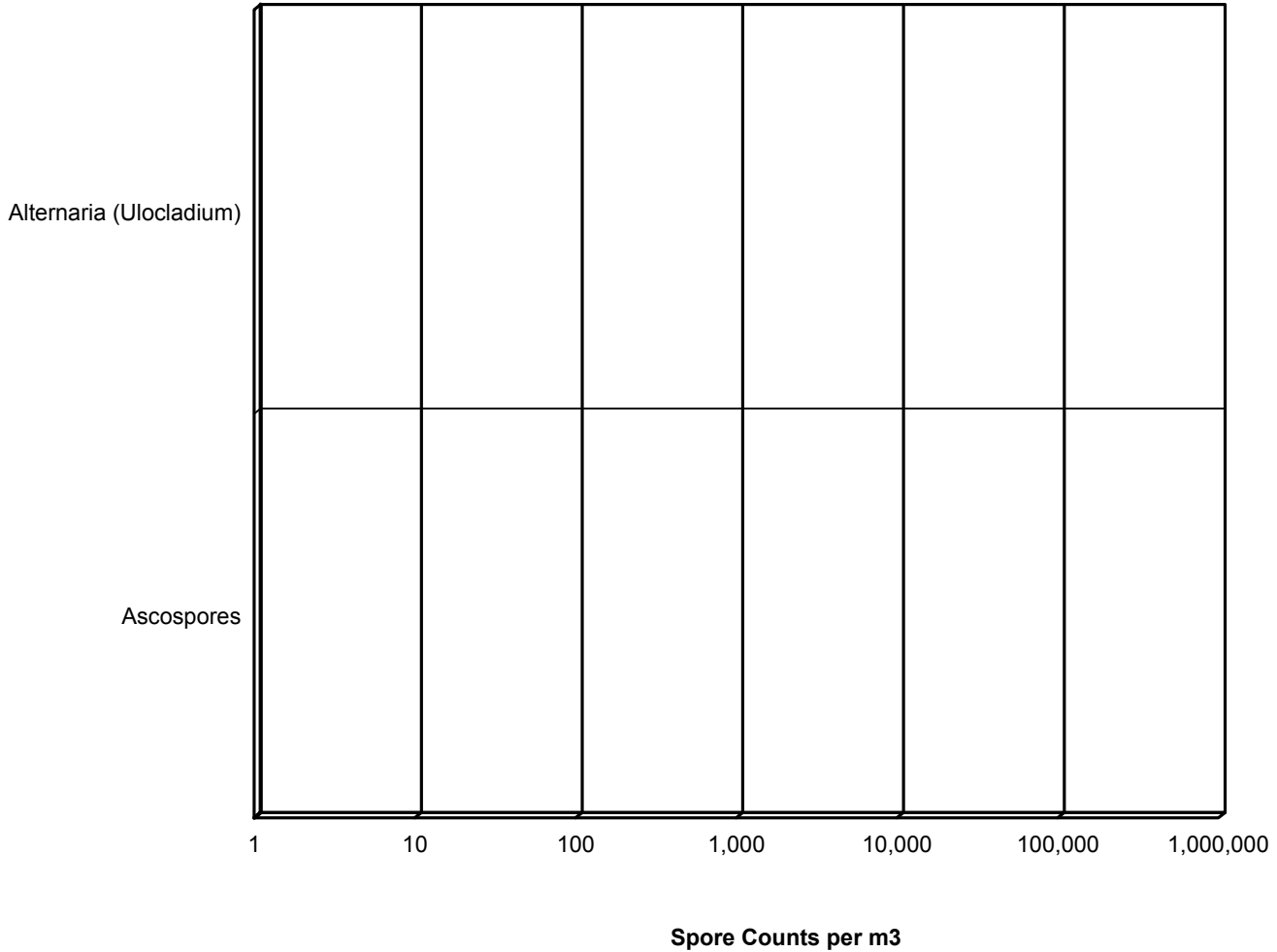
Phone: (909)-295-6825 Fax: (909) 295-6826 Web: <http://www.LATesting.com> Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

## Background Comparison Chart



\* The chart is displayed using a logarithmic scale. The bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

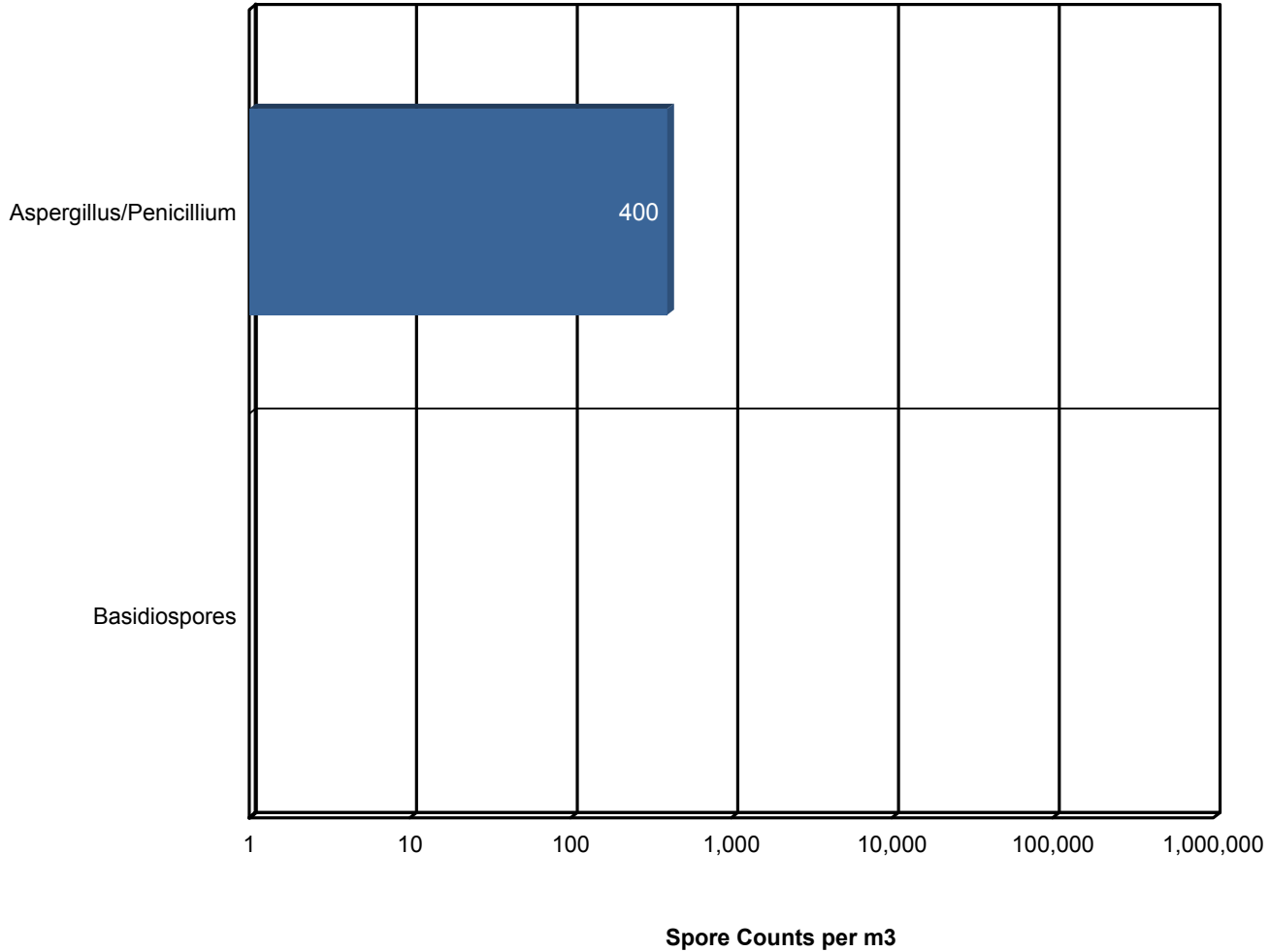
Phone: (909)-295-6825 Fax: (909) 295-6826 Web: <http://www.LATesting.com> Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

## Background Comparison Chart



■ 11 W/C Living rm ceiling

\* The chart is displayed using a logarithmic scale. The bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

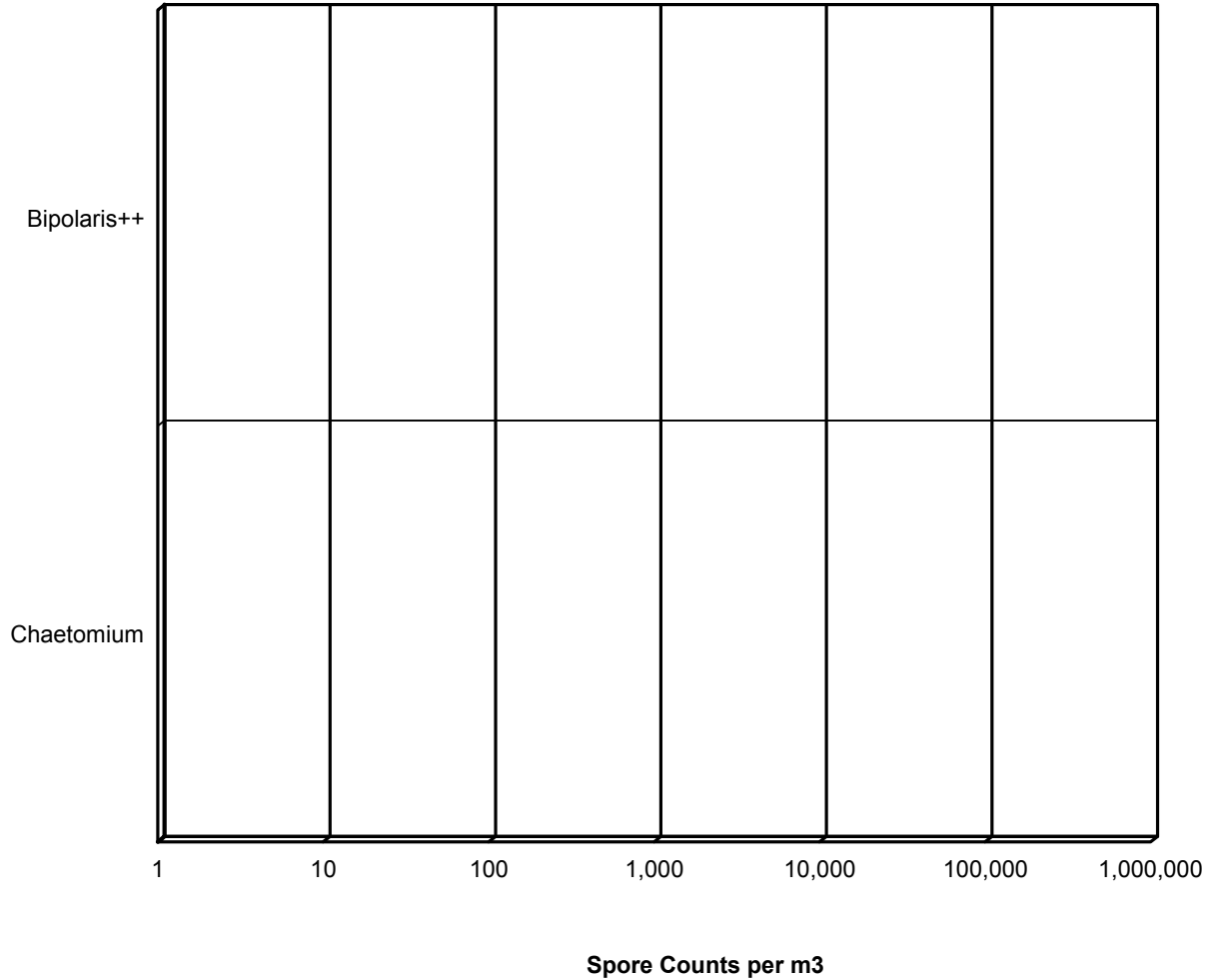
Phone: (909)-295-6825 Fax: (909) 295-6826 Web: <http://www.LATesting.com> Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

## Background Comparison Chart



\* The chart is displayed using a logarithmic scale. The bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report.

Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

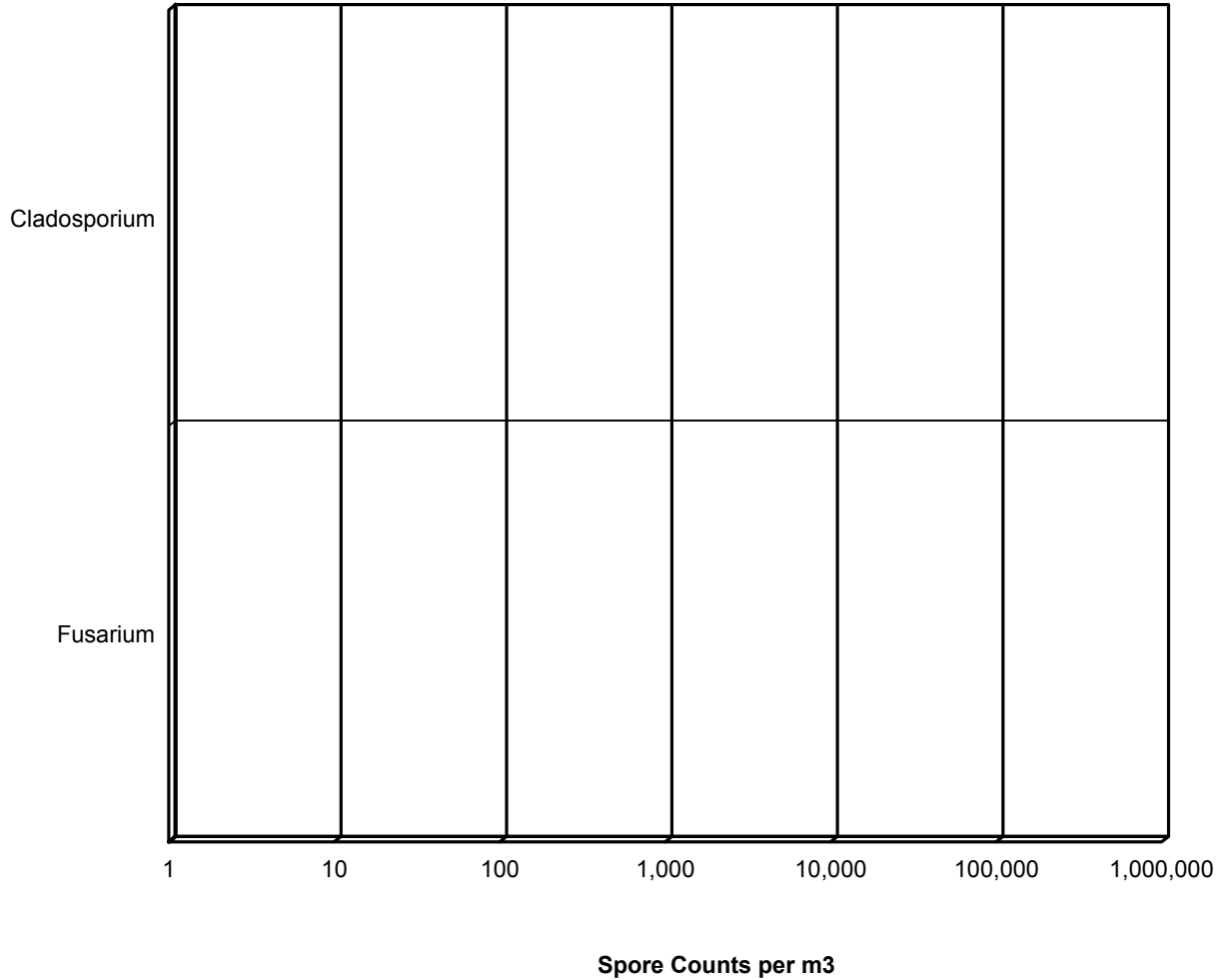
Phone: (909)-295-6825 Fax: (909) 295-6826 Web: <http://www.LATesting.com> Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

## Background Comparison Chart



\* The chart is displayed using a logarithmic scale. The bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.





# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

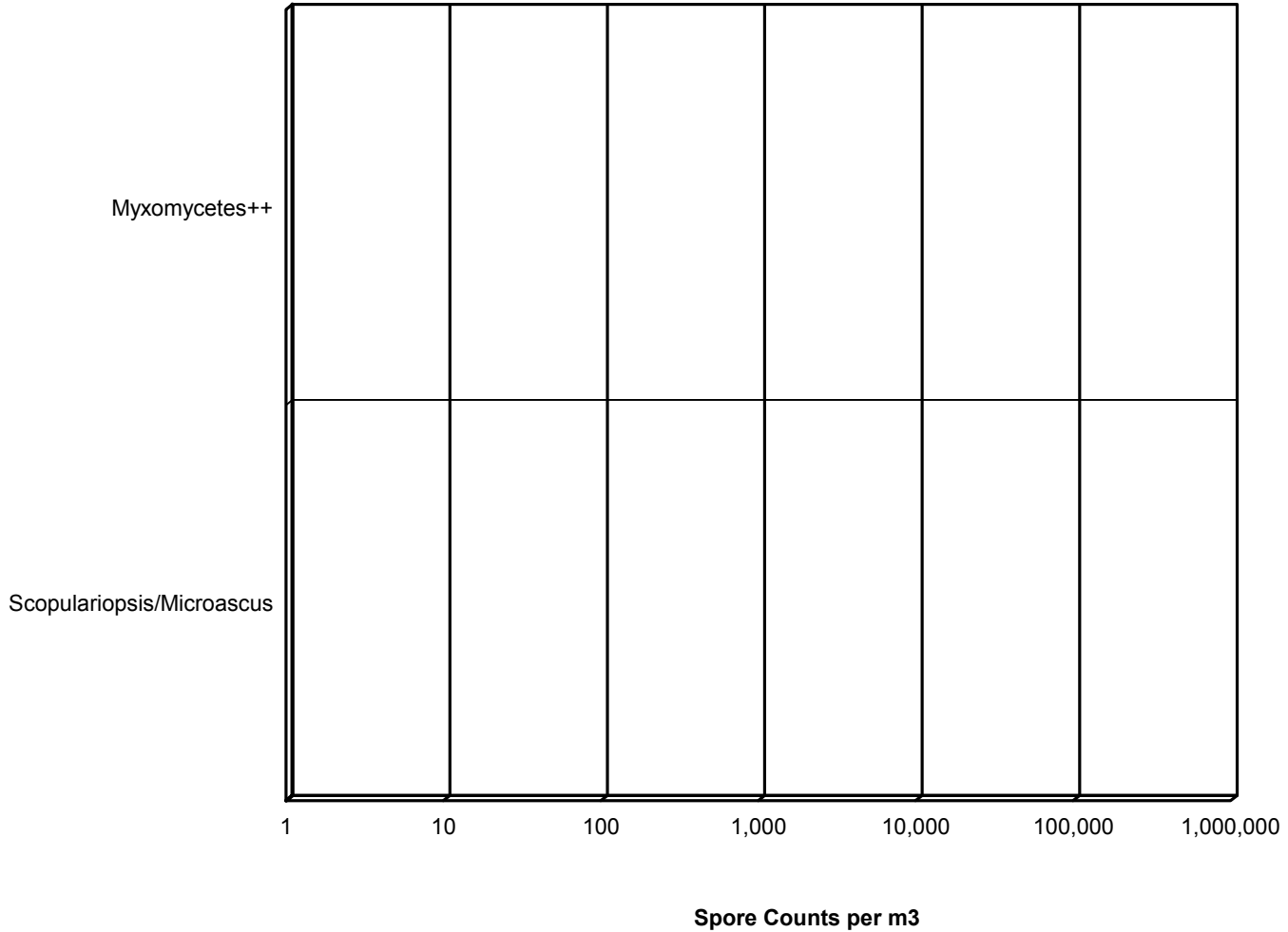
Phone: (909)-295-6825 Fax: (909) 295-6826 Web: <http://www.LATesting.com> Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

## Background Comparison Chart



\* The chart is displayed using a logarithmic scale. The bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

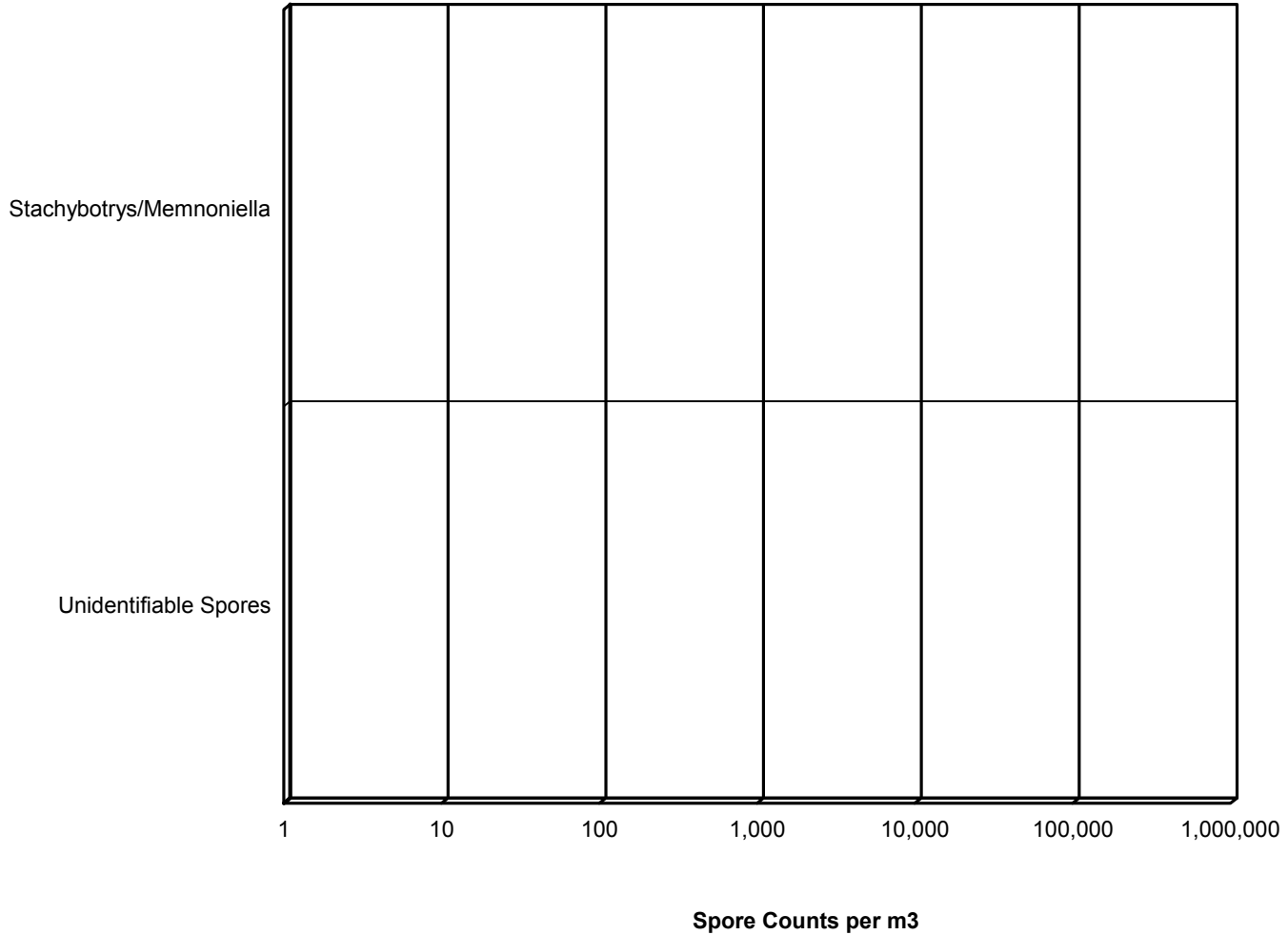
Phone: (909)-295-6825 Fax: (909) 295-6826 Web: <http://www.LATesting.com> Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

## Background Comparison Chart



\* The chart is displayed using a logarithmic scale. The bar size is not directly proportional to the number of spores.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825 Fax: (909) 295-6826 Web: <http://www.LATesting.com> Email: [InlandEmpireLab@latestesting.com](mailto:InlandEmpireLab@latestesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

**EMSL Order:** 711900758  
**Customer ID:** 32GEPS26  
**Collected:** 11/12/2019  
**Received:** 11/12/2019  
**Analyzed:** 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

## Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Swab Samples (EMSL Method MICRO-SOP-200)

Lab Sample Number:	711900758-0012	711900758-0013	711900758-0014		
Client Sample ID:	12 Swab	13 Swab	14 Swab		
Sample Location:	Bath rm under vanity	Bath rm E/ wall	Master closet E/ wall		
Spore Types	Category	Category	Category		
Alternaria (Ulocladium)	Rare	Rare	-		
Ascospores	-	-	-		
Aspergillus/Penicillium	-	Low	-		
Basidiospores	-	Rare	-		
Bipolaris++	-	-	-		
Chaetomium	-	-	Rare		
Cladosporium	Rare	-	-		
Curvularia	-	-	-		
Epicoccum	-	-	-		
Fusarium	-	-	-		
Ganoderma	-	-	-		
Myxomycetes++	-	-	-		
Pithomyces++	-	-	-		
Rust	-	-	-		
Scopulariopsis/Microascus	-	-	-		
Stachybotrys/Memnoniella	-	-	-		
Unidentifiable Spores	-	-	-		
Zygomycetes	Medium	-	-		
Penicillium/Talaromyces	-	-	*Medium*		
Hyphal Fragment	-	-	-		
Insect Fragment	-	-	-		
Pollen	-	-	-		

Category: Count/per area analyzed  
Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000  
++ = Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.  
\* = Sample contains fruiting structures and/or hyphae associated with the spores.  
- = Not detected.

Carolynn Tom, Laboratory Manager  
or Other Approved Signatory

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

Samples received in good condition unless otherwise noted. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. When the information supplied by the customer can affect the validity of the results, it will be noted on the report. Interpretation of the data contained in this report is the responsibility of the client. The report reflects the samples as received. When the information supplied by the customer can affect the validity of the result, it will be noted on the report.  
Samples analyzed by LA Testing Ontario, CA

Report amended: 11/13/2019 17:58:59 Replaces initial report from:11/13/2019 15:40:19 Reason Code: Client-Other (see report comment)

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



## LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPPro

### 3. Understanding the Results

LA Testing is an independent laboratory, providing unbiased and scientifically valid results. These data represent only a portion of an overall IAQ investigation. Visual information and environmental conditions measured during the site assessment (humidity, moisture readings, etc.) are crucial to any final interpretation of the results. Many factors impact the final results; therefore, result interpretation should only be conducted by qualified individuals. The American Conference of Governmental Industrial Hygienists (ACGIH) has published a good reference book covering sampling and data interpretation. It is entitled, Bioaerosols: Assessment and Control, 1999.

Fungal spores are found everywhere. Whether or not symptoms develop in people exposed to fungi depends on the nature of the fungal material (e.g., allergenic, toxic, or infectious), the exposure level, and the susceptibility of exposed persons. Susceptibility varies with the genetic predisposition (e.g., allergic reactions do not always occur in all individuals), age, pre-existing medical conditions (e.g., diabetes, cancer, or chronic lung conditions), use of immunosuppressive drugs, and concurrent exposures. These reasons make it difficult to identify dose/response relationships that are required to establish "safe" or "unsafe" levels (i.e., permissible exposure limits).

It is generally accepted in the industry that indoor fungal growth is undesirable and inappropriate, necessitating removal or other appropriate remedial actions. The New York City guidelines and EPA guidelines for mold remediation in schools and commercial buildings define the conditions warranting mold remediation. Always remember that water is the key. Preventing water damage or water condensation will prevent mold growth.

This report is not intended to provide medical advice or advice concerning the relative safety of an occupied space. Always consult an occupational or environmental health physician who has experience addressing indoor air contaminants if you have any questions.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report.

Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing. All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

**EMSL Order:** 711900758  
**Customer ID:** 32GEPS26  
**Collected:** 11/12/2019  
**Received:** 11/12/2019  
**Analyzed:** 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

## 4. Glossary of Fungi

<b>ALTERNARIA(ULOCLADIUM)</b>	
<b>Natural Habitat</b>	Common saprobe and pathogen of plants. Typically found on plant tissue, decaying wood, and foods. Soil . Air outdoors.
<b>Suitable Substrates in the Indoor Environment</b>	Indoors near condensation (window frames, showers), House dust (in carpets, and air). Also colonizes building supplies, computer disks, cosmetics, leather, optical instruments, paper, sewage, stone monuments, textiles, wood pulp, and jet fuel
<b>Water Activity</b>	Aw =0.85-0.88 (water damage indicator)
<b>Mode of Dissemination</b>	Wind
<b>Allergic Potential</b>	Type I allergies (hay fever, asthma), Type III (hypersensitivity pneumonitis)
<b>Potential or Opportunistic Pathogens</b>	Phaeohyphomycosis {causing cystic granulomas in the skin and subcutaneous tissue}. In immunocompetent patients, Alternaria colonizes the paranasal sinuses, leading to chronic hypertrophic sinusitis
<b>Industrial Uses</b>	Biocontrol of weed plants ·Biocontrol fungal plant pathogens.
<b>Potential Toxins Produced</b>	Alternariol (AOH) . Alternariol monomethylether (AME). Tenuazonic acid (TeA). Altenuene (ALT). Altertoxins (ATX)
<b>Other Comments</b>	Many species of Ulocladium have been renamed as Alternaria . Alternaria spores are one of the most common and potent indoor and outdoor airborne allergens. Additionally, Alternaria sensitization has been determined to be one of the most important factors in the onset of childhood asthma. Synergy with Cladosporium or Ulocladium may increase the severity of symptoms
<b>References</b>	Alternaria redefined. J. Woudenberg et al., Studies in Mycology. Volume 75, June 2013, Pages 171-212

<b>ASCOSPORES</b>	
<b>Natural Habitat</b>	Everywhere in nature.
<b>Suitable Substrates in the Indoor Environment</b>	Depends on genus and species.
<b>Water Activity</b>	Depends on genus and species.
<b>Mode of Dissemination</b>	Forcible ejection or passive release and dissemination by wind or insects.
<b>Allergic Potential</b>	Depends on genus and species.
<b>Potential or Opportunistic Pathogens</b>	Depends on genus and species.
<b>Industrial Uses</b>	Depends on genus and species.
<b>Potential Toxins Produced</b>	Depends on genus and species.
<b>Other Comments</b>	Ascospores are the result of sexual reproduction and produced in a saclike structure called an ascus. All ascospores belong to members of the Phylum Ascomycota, which encompasses a plethora of genera worldwide.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report.

Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

**EMSL Order:** 711900758  
**Customer ID:** 32GEPS26  
**Collected:** 11/12/2019  
**Received:** 11/12/2019  
**Analyzed:** 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

## ASPERGILLUS/PENICILLIUM

<b>Natural Habitat</b>	Plant debris ·Seed ·Cereal crops
<b>Suitable Substrates in the Indoor Environment</b>	Grows on a wide range of substrates indoors ·Prevalent in water damaged buildings ·Foods (blue mold on cereals, fruits, vegetables, dried foods) ·House dust ·Fabrics ·Leather ·Wallpaper ·Wallpaper glue
<b>Water Activity</b>	Aw=0.75-0.94
<b>Mode of Dissemination</b>	Wind ·Insects
<b>Allergic Potential</b>	Type I (hay fever, asthma) ·Type III (hypersensitivity)
<b>Potential or Opportunistic Pathogens</b>	Possible depending on the species.
<b>Industrial Uses</b>	Many depending on the species
<b>Potential Toxins Produced</b>	Possible depending on the species.
<b>Other Comments</b>	Spores of Aspergillus and Penicillium (including others such as Acremonium, Talaromyces, and Paecilomyces) are small and spherical with few distinguishing characteristics. They cannot be differentiated or speciated by non-viable impaction sampling methods. Some species with very small spores may be undercounted in samples with high background debris.

## BASIDIOSPORES

<b>Natural Habitat</b>	Forest floors. Lawns .Plants (saprobes or pathogens depending on genus)
<b>Suitable Substrates in the Indoor Environment</b>	Depends on genus. Wood products
<b>Water Activity</b>	Unknown.
<b>Mode of Dissemination</b>	Forcible ejection. Wind currents.
<b>Allergic Potential</b>	Type I allergies (hay fever, asthma) . Type III (hypersensitivity pneumonitis)
<b>Potential or Opportunistic Pathogens</b>	Depends on genus.
<b>Industrial Uses</b>	Edible mushrooms are used in the food industry.
<b>Potential Toxins Produced</b>	Amanitins. monomethyl-hydrazine. muscarine. ibotenic acid. psilocybin.
<b>Other Comments</b>	Basidiospores are the result of sexual reproduction and formed on a structure called the basidium. Basidiospores belong to the members of the Phylum Basidiomycota, which includes mushrooms, shelf fungi, rusts, and smuts.

## BIPOLARIS

<b>Natural Habitat</b>	Plant saprophyte.Plant pathogen of many plants, causing leaf rot, crown rot, and root rot on warm season turf grasses
<b>Suitable Substrates in the Indoor Environment</b>	House plants, Indoor building materials
<b>Free moisture required for mold growth</b>	Unknown
<b>Mode of Dissemination</b>	Wind
<b>Allergic Potential</b>	Hay fever, asthma. Allergic and chronic invasive sinusitis
<b>Potential or Opportunistic Pathogens</b>	Invasive sinusitis, disseminated mycoses, peritonitis, keratitis, phaeohyphomycosis
<b>Potential Toxins</b>	Can potentially produce sterigmatocystin.
<b>Other Comments</b>	Includes Bipolaris, Drechslera, and Exserohilum.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report.

Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825 Fax: (909) 295-6826 Web: <http://www.LATesting.com> Email: [InlandEmpireLab@lateesting.com](mailto:InlandEmpireLab@lateesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

**EMSL Order:** 711900758  
**Customer ID:** 32GEPS26  
**Collected:** 11/12/2019  
**Received:** 11/12/2019  
**Analyzed:** 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPPro

## CHAETOMIUM

<b>Natural Habitat</b>	Dung. Seeds. Soil. Straw.
<b>Suitable Substrates in the Indoor Environment</b>	Paper. Sheetrock. Wallpaper.
<b>Water Activity</b>	Aw=0.84-0.89.
<b>Mode of Dissemination</b>	Wind. Insects. Water splash.
<b>Allergic Potential</b>	Type I (asthma and hay fever).
<b>Potential or Opportunistic Pathogens</b>	Onychomycosis. <i>C. perlucidum</i> recognized as a new agent of cerebral phaeohyphomycosis.
<b>Industrial Uses</b>	Cellulase production, Textile testing.
<b>Potential Toxins Produced</b>	Chaetomin. Chaetoglobosins A,B,D and F are produced by <i>Chaetomium globosum</i> . Sterigmatocystin is produced by rare species

## CLADOSPORIUM

<b>Natural Habitat</b>	Dead plant matter. Straw. Soil. Woody plants
<b>Suitable Substrates in the Indoor Environment</b>	Fiberglass duct liner. Paint. Textiles. Found in high concentration in water-damaged building materials.
<b>Water Activity</b>	Aw 0.84-0.88
<b>Mode of Dissemination</b>	Air
<b>Allergic Potential</b>	Type I (asthma and hay fever).
<b>Potential or Opportunistic Pathogens</b>	Edema. keratitis. onychomycosis. pulmonary infections. Sinusitis.
<b>Industrial Uses</b>	Produces 10 antigens.
<b>Potential Toxins Produced</b>	Cladospurin and Emodin.

## FUSARIUM

<b>Natural Habitat</b>	Soil. Plant pathogen causing root rot, stem rot, and wilt of many ornamental and crop plants.
<b>Suitable Substrates in the Indoor Environment</b>	Often found in humidifiers. Wet, cellulose-based building materials
<b>Water Activity</b>	Aw=0.86-0.91
<b>Mode of Dissemination</b>	Insects. Water droplets, rain. Wind when spores become dry.
<b>Allergic Potential</b>	Type I allergies (hay fever, asthma).
<b>Potential or Opportunistic Pathogens</b>	Esophageal cancer is believed to happen after consumption of <i>F. moniliforme</i> infected corn. Keratitis. Endophthalmitis. Onychomycosis. Cutaneous infections. Mycetoma. Sinusitis. Pulmonary infections. Endocarditis. Peritonitis. Central venous catheter infections. Septic arthritis. Neurological disease in horses after consumption of <i>F. moniliforme</i> infected corn. Respiratory disease in pigs after consumption of <i>F. moniliforme</i> infected corn.
<b>Industrial Uses</b>	Biological Weapon.
<b>Potential Toxins Produced</b>	Trichothecenes. Zearalenone. Fumonisin.
<b>Other Comments</b>	Major plant pathogen.
<b>Reference</b>	Atlas of Moulds in Europe causing respiratory Allergy, Foundation for Allergy Research in Europe, Edited by Knud Wilken-Jensen and Suzanne Gravesen, ASK Publishing, Denmark, 1984.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report.

Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

Email: [InlandEmpireLab@latestesting.com](mailto:InlandEmpireLab@latestesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

**EMSL Order:** 711900758  
**Customer ID:** 32GEPS26  
**Collected:** 11/12/2019  
**Received:** 11/12/2019  
**Analyzed:** 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPPro

<b>MYXOMYCETES++</b>	
<b>Natural Habitat</b>	Decaying logs, Dead leaves , Dung , Lawns , Mulched flower beds, Lawns
<b>Suitable Substrates in the Indoor Environment</b>	Rotting lumber
<b>Free moisture required for mold growth</b>	Unknown
<b>Mode of Dissemination</b>	Insects, Water, Wind
<b>Allergic Potential</b>	Type I
<b>Potential or Opportunistic Pathogens</b>	Unknown
<b>Industrial Uses</b>	
<b>Other Comments</b>	Includes Myxomycetes, Smut, and Periconia.

<b>PENICILLIUM/TALAROMYCES</b>	
<b>Natural Habitat</b>	Soil, Seed, Cereal crops,
<b>Suitable Substrates in the Indoor Environment</b>	Foods (blue mold on cereals, fruits, vegetables, dried foods). House dust. Fabrics. Leather. Wallpaper. Wallpaper glue.
<b>Water Activity</b>	Aw=0.78-0.86.
<b>Mode of Dissemination</b>	Wind, Insects.
<b>Allergic Potential</b>	Type I (hay fever, asthma). Type III (hypersensitivity).
<b>Potential or Opportunistic Pathogens</b>	Penicilliosis.
<b>Industrial Uses</b>	P. chrysogenum for the antibiotic penicillin P. griseofulvum for the antibiotic griseofulvin a. P. roquefortii for Roquefort cheese. P. camemberti for Camembert cheese, Brie, Gorgonzola, and Danish Blue cheese are also the products of Penicillium. Used to cure ham and salami. Production of organic acids such as fumaric, oxalic, gluconic, and gallic.
<b>Potential Toxins Produced</b>	Janthitrems, Mycophenolic acid, Paxilline, Penitrem A, Penicillic acid, Ochratoxins ·Roquefortine C, Secalonic acid D, Verruculogen, Verrucosidin, Viomellein, Viridicatumtoxin. Xanthomegnin
<b>Other Comments</b>	Penicillium is one of the most common genera of fungi. Some species of Penicillium have been changed to the Talaromyces genus.
<b>Reference</b>	Alexopoulos, C.J., Mims, C.W., Blackwell, M. 1996. John Wiley and Sons.

<b>SCOPULARIOPSIS/MICROASCUS</b>	
<b>Natural Habitat</b>	Worldwide saprophytic fungi, being isolated from dead plant material and soil.
<b>Suitable Substrates in the Indoor Environment</b>	Diary products, fruit, grain, paper, wood
<b>Water Activity</b>	Unknown
<b>Mode of Dissemination</b>	Wind
<b>Allergic Potential</b>	Hypersensitivity
<b>Potential or Opportunistic Pathogens</b>	While Scopulariopsis is commonly considered a contaminant, it may cause onychomycosis, skin lesions, keratitis, pulmonary infections, endocarditis, particularly in immunocompromised patients.
<b>Other Comments</b>	Scopulariopsis is the anamorphic name (asexual stage) and Microascus is the teleomorphic name (sexual stage).

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report.

Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.





# LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

**EMSL Order:** 711900758  
**Customer ID:** 32GEPS26  
**Collected:** 11/12/2019  
**Received:** 11/12/2019  
**Analyzed:** 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

## STACHYBOTRYS/MEMNONIELLA

<b>Natural Habitat</b>	Decaying plant materials and Soil.
<b>Suitable Substrates in the Indoor Environment</b>	Water damaged building materials such as: ceiling tiles, gypsum board, insulation backing, sheet rock, and wall paper. Paper. Textiles.
<b>Water Activity</b>	Aw=0.94
<b>Mode of Dissemination</b>	Insects, Water, and Wind
<b>Allergic Potential</b>	Type I (hay fever, asthma)
<b>Potential or Opportunistic Pathogens</b>	Unknown.
<b>Industrial Uses</b>	Unknown.
<b>Potential Toxins Produced</b>	Mycotoxins produced by Stachybotrys include Roridin A, Roridin E, Roridin H, Roridin L-2, Satratoxin G, Satratoxin H, Isosatratoxin F, Verucarin A, Verucarin J, and Verrucariol.
<b>Other Comments</b>	Stachybotrys and Memnoniella are closely related and many Memnoniella species have been renamed under Stachybotrys. Mycologists are continuing to debate whether Stachybotrys and Memnoniella should be grouped or split apart (see references below). Stachybotrys may play a role in the development of sick building syndrome. The presence of this fungus can be significant due to its ability to produce mycotoxins. Exposure to the toxins can occur through inhalation, ingestion, or skin exposure.
<b>References</b>	Generic hyper-diversity in Stachybotriaceae. L. Lombard et al., <i>Persoonia</i> 36, 2016: 156–246. Overview of Stachybotrys (Memnoniella) and current species status. Y. Wang et al., <i>Fungal Diversity</i> , 2015: DOI: 10.1007/s13225-014-0319-0.

## ZYGOMYCETES

<b>Natural Habitat</b>	Decaying plant matter, Decaying animal matter
<b>Suitable Substrates in the Indoor Environment</b>	Fruits and vegetables
<b>Free moisture required for mold growth</b>	Aw=0.90-0.95
<b>Mode of Dissemination</b>	Water splash, Wind
<b>Allergic Potential</b>	Type I (hay fever, asthma) & Type III (hypersensitivity)
<b>Potential or Opportunistic Pathogens</b>	Some Zygomycetes can cause zygomycosis in immunocompromised patients. Zygomycosis can occur in the lungs, nasal sinus, brain, eye, skin, and mucous membranes.

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report.

Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



## LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPPro

### 5. References and Informational Links

#### Books

- Bioaerosols: Assessment and Control. Janet Macher, Ed., American Conference of Governmental Industrial Hygienists, Cincinnati, OH 1999.
- Exposure Guidelines for Residential Indoor Air Quality. Environmental Health Directorate, Health Protection Branch, Health Canada, Ottawa, Ontario, 1989.
- Fungal Contamination in Public Buildings: Health Effects and Investigation Methods. Health Canada, Ottawa, Ontario, 2004.
- IICRC: S500 Standard and Reference Guide for Professional Water Damage Restoration. 3rd Edition, Institute of Inspection, Cleaning, and Restoration Certification, Vancouver, WA, 2006
- IICRC: S520 Standard and Reference Guide for Professional Mold Remediation. 1st Edition, Institute of Inspection, Cleaning, and Restoration Certification, Vancouver, WA, 2004
- Field Guide for the Determination of Biological Contaminants in Environmental Samples. 2nd Edition, American Industrial Hygiene Association, 2005.

#### Consumer Links

Read the full text of AIHA's "The Facts About Mold" consumer brochure.

<http://www.aiha.org/get-involved/VolunteerGroups/Documents/Biosafety/VG-FactsAbout%20MoldDecember2011.pdf>

The Occupational Safety and Health Administration (OSHA)

<http://www.osha.gov/SLTC/molds/index.html>

CDC Mold Facts

<http://www.cdc.gov/mold/faqs.htm>

CDC Stachybotrys - Questions and answers on Stachybotrys chartarum and other molds

<http://www.cdc.gov/mold/stachy.htm>

IOM, NAS: Clearing the Air: Asthma and Indoor Air Exposures

<https://www.epa.gov/indoor-air-quality-iaq/should-you-have-air-ducts-your-home-cleaned>



## LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825 Fax: (909) 295-6826 Web: <http://www.LATesting.com> Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

---

National Library of Medicine-Mold website  
<http://www.nlm.nih.gov/medlineplus/molds.html>

California Department of Health Services (CADOHS)  
<https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/Mold.aspx>

Minnesota Department of Health  
<http://www.health.state.mn.us/divs/eh/indoorair/mold/index.html>

New York City Department of Health and Mental Hygiene  
<https://www1.nyc.gov/site/doh/health/health-topics/mold.page>

H.R.: The United States Toxic Mold Safety and Protection Act

### EPA

"Should You Have the Air Ducts in Your Home Cleaned?"  
<<http://www.epa.gov/iaq/pubs/airduct.html>>

General information about molds and actions that can be taken to clean up or prevent a mold problem.  
<<http://www.epa.gov/asthma/molds.html>>

"A Brief Guide to Mold, Moisture, and Your Home" - Includes basic information on mold, cleanup guidelines, and moisture and mold prevention  
<http://www.epa.gov/mold/moldguide.html>

"Mold Remediation in Schools and Commercial Buildings" - Information on remediation in schools and commercial property, references for potential mold and moisture remediators.  
<https://www.epa.gov/mold/mold-remediation-schools-and-commercial-buildings-guide>

### FEMA

"Homes That Were Flooded May Harbor Mold Problems" - Information and tips for cleaning mold.  
<http://www.fema.gov/news-release/homes-were-flooded-may-harbor-mold-problems>

"Dealing With Mold & Mildew in Your Flood Damaged Home."  
[http://www.fema.gov/pdf/rebuild/recover/fema\\_mold\\_brochure\\_english.pdf](http://www.fema.gov/pdf/rebuild/recover/fema_mold_brochure_english.pdf)



## LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825

Fax: (909) 295-6826

Web: <http://www.LATesting.com>

Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

### 6. Important Terms, Conditions, and Limitations

#### A. Sample Retention

Samples analyzed by LA Testing will be retained for 60 days after analysis date Storage beyond this period is available for a fee with written request prior to the initial 30 day period. Samples containing hazardous/toxic substances which require special handling will be returned to the client immediately. LA Testing reserves the right to charge a sample disposal fee or return samples to the client.

#### B. Change Orders and Cancellation

All changes in the scope of work or turnaround time requested by the client after sample acceptance must be made in writing and confirmed in writing by LA Testing. If requested changes result in a change in cost the client must accept payment responsibility. In the event work is cancelled by a client, LA Testing will complete work in progress and invoice for work completed to the point of cancellation notice. LA Testing is not responsible for holding times that are exceeded due to such changes.

#### C. Warranty

LA Testing warrants to its clients that all services provided hereunder shall be performed in accordance with established and recognized analytical testing procedures and with reasonable care in accordance with applicable federal, state and local laws. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied. LA Testing disclaims any other warranties, express or implied, including a warranty of fitness for particular purpose and warranty of merchantability.

#### D. Limits of Liability

In no event shall LA Testing be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of LA Testing and whether LA Testing has been informed of the possibility of such damages, arising out of or in connection with LA Testing's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. LA Testing will not be held responsible for the improper selection of sampling devices even if we supply the device to the user. The user of the sampling device has the sole responsibility to select the proper sampler and sampling conditions to insure that a valid sample is taken for analysis. Any resampling performed will be at the sole discretion of LA Testing, the cost of which shall be limited to the reasonable value of the original sample delivery group (SDG) samples. In no event shall LA Testing be liable to a

This report has been prepared by LA Testing at the request of and for the exclusive use of the client named in this report. Completely read the important terms, conditions, and limitations that apply to this report.

© 2006, LA Testing, All rights reserved. No part of this report may be reproduced or otherwise distributed or used without the express written consent of LA Testing.



## LA Testing

4335 E. Airport Dr. Unit 110 Ontario, CA 91761

Phone: (909)-295-6825 Fax: (909) 295-6826 Web: <http://www.LATesting.com> Email: [InlandEmpireLab@latesting.com](mailto:InlandEmpireLab@latesting.com)

**Attn:** Pete Torres  
GeoEarth Env Sampling Prof (GEEPS)  
1717 East Vista Chino  
Unit # 7-PMB215  
Palm Springs, CA 92262

EMSL Order: 711900758  
Customer ID: 32GEPS26  
Collected: 11/12/2019  
Received: 11/12/2019  
Analyzed: 11/13/2019

**Proj:** Linda 58137-PT-1119-ZMPro

---

client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to LA Testing by client thereunder.

### E. Indemnification

Client shall indemnify LA Testing and its officers, directors and employees and hold each of them harmless for any liability, expense or cost, including reasonable attorney's fees, incurred by reason of any third party claim in connection with LA Testing services, the test result data or its use by client