



# HYGIENETECH

Hygiene Technologies International, Inc.

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November 6, 2013

California State Board of Equalization  
450 N Street  
Sacramento, California 94279

Document No. 21309001.1

Attention: David Gau

Regarding: Limited Fungal Growth Exposure Assessment Surveys  
September 2013 Random Sampling

Dear Mr. Gau:

On September 3, 10, 17, and 25, 2013, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted limited fungal growth exposure assessment surveys involving 22 randomly selected areas located within the California State Board of Equalization (BOE) building. The findings of the surveys, along with the analytical data, conclusions, and recommendations when applicable, appear below.

On the survey dates, air samples were collected for total (viable and nonviable) fungi analyses using a Zefon brand Bio-Pump Plus™ equipped with Air-O-Cell™ cassettes. All such samples were subsequently analyzed for fungi (including yeasts, molds, rusts, smuts, and mushrooms) by trained and experienced microbiologists at a laboratory accredited by the American Industrial Hygiene Association (AIHA) and that successfully participates in the AIHA Environmental Microbiology Proficiency Analytical Testing (EMPAT) Program. The airborne fungi assessment analytical data with supporting and background information appear in the enclosed table.

As presented in Table 21309001-1, the airborne spore count data recorded showed fungal spore types outdoors such as *Alternaria*, ascospores, basidiospores, *Bipolaris/Drechslera* group, *Chaetomium*, *Cladosporium*, colorless spores typical of *Penicillium/Aspergillus* species, *Curvularia*, *Epicoccum*, *Nigrospora*, other brown, rusts, smuts, *Stachybotrys*, and/or *Torula*. In the indoor areas tested, the data showed that airborne fungal spores were either not detected at or above the laboratory detection limit indicated or were detected at low airborne concentrations. The fungal spore types found indoor included *Alternaria*, ascospores, basidiospores, *Chaetomium*, *Cladosporium*, colorless spores typical of *Penicillium/Aspergillus* species, *Curvularia*, *Epicoccum*, other brown, rusts, smuts, and/or *Stemphylium*. The distribution of fungal spore types detected in the surveyed areas was consistent with those found outdoors, and the overall data within the tested areas were well below the overall outdoor data recorded. These data are considered unremarkable and are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.



Be advised that the data provided in this report only represent limited fungal growth and exposure potentials that existed at the time these surveys were performed and at the precise sample locations indicated. Note that fungal growth and exposure potentials may change due to changes in environmental conditions (such as those caused by water intrusion), use of mechanical systems, or other factors. Also be advised that additional fungal growth may exist at one or more locations in the structure that were not specifically assessed during the surveys.

If you have any comments or questions regarding the information contained in this correspondence, please feel free to contact our offices directly at (310) 370-8370.

Sincerely,

**HYGIENE TECHNOLOGIES INTERNATIONAL, INC.**

A handwritten signature in black ink, appearing to read "Kenny", followed by a horizontal line.

Kenny K. Hsi, CIH  
Technical Director

# HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

# APPENDIX A



CLIENT: California State Board of Equalization  
450 N Street  
Sacramento, California 94279

TABLE 21309001-1  
AIRBORNE TOTAL FUNGI RESULTS  
450 N STREET  
SACRAMENTO, CALIFORNIA  
SEPTEMBER 3, 10, 17, AND 25, 2013

Page 1

## Results reported in spores per cubic meter of air (spores/M<sup>3</sup>)

SAMPLE NUMBER	21309001-1 TM01OUT	21309001-1 TM02	21309001-1 TM03	21309001-1 TM04
<b>SAMPLING LOCATION/ACTIVITIES</b>	Outdoors; about 15 feet east of building; approximately five feet above ground/Normal outdoor activities	3 <sup>rd</sup> Floor; Elevator Lobby; approximately five feet above floor/Normal office activities	7 <sup>th</sup> Floor; Break Room 707; about center; approximately five feet above floor/Normal office activities	10 <sup>th</sup> Floor; Column N22 area; Cubicle 70 entry area ; approximately five feet above floor/Normal office activities
<b>DATE</b>	09/03/13	09/03/13	09/03/13	09/03/13
<b>START/STOP</b>	14:35:00/14:40:00	14:44:00/14:49:00	14:51:00/14:56:00	15:00:00/15:05:00
<b>SAMPLE TIME</b>	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	27			
Ascospores				
Basidiospores	110			
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	270		53	110
Curvularia				
Epicoccum				
Fusarium				
Nigrospora				
Oidium				
Other brown		13		
Other colorless				
Penicillium/Aspergillus types	210			
Pithomyces				
Rusts	13			
Smuts (Periconia, Myxomycetes)	13			
Stachybotrys				
Stemphylium				
Torula	67			
Ulocladium				
Hyphal fragments	40	<13	13	<13
Background debris*	2+	2+	2+	1+
<b>TOTAL**</b>	710	27	80	110

\*Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

\*\*Note that all reported counts have been rounded to no more than two significant figures based on the sampling and analytical methods used, and therefore the total count may not equal the sum of the individual counts in a column.

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# APPENDIX A



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450 N Street  
Sacramento, California 94279

TABLE 21309001-1  
AIRBORNE TOTAL FUNGI RESULTS  
450 N STREET  
SACRAMENTO, CALIFORNIA  
SEPTEMBER 3, 10, 17, AND 25, 2013

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## Results reported in spores per cubic meter of air (spores/M<sup>3</sup>)

SAMPLE NUMBER	21309001-1 TM05	21309001-1 TM06	21309001-1 TM07	21309001-1 TM08OUT
<b>SAMPLING LOCATION/ACTIVITIES</b>	15 <sup>th</sup> Floor; Column J20 area; Cubicle 126; about center; approximately five feet above floor/Normal office activities	19 <sup>th</sup> Floor; Column K22 area; about five feet south of Column K22; approximately five feet above floor/Normal office activities	24 <sup>th</sup> Floor; southern hallway area between Room 2408 and 2418; about center; approximately five feet above floor/Normal office activities	Outdoors; about 10 feet south of building; approximately five feet above ground/Normal outdoor activities
<b>DATE</b>	09/03/13	09/03/13	09/03/13	09/10/13
<b>START/STOP</b>	15:08:00/15:13:00	15:19:00/15:24:00	15:30:00/15:35:00	10:26:00/10:31:00
<b>SAMPLE TIME</b>	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Ascospores				590
Basidiospores				960
Bipolaris/Drechslera group				13
Botrytis				
Chaetomium				13
Cladosporium	53			3,600
Curvularia				
Epicoccum				13
Fusarium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				53
Pithomyces				
Rusts				13
Smuts (Periconia, Myxomycetes)				40
Stachybotrys				150
Stemphylium				
Torula				13
Trichocladium				
Ulocladium				
Hyphal fragments	<13	<13	<13	67
Background debris*	1+	1+	2+	2+
<b>TOTAL**</b>	53	<13	<13	5,400

\*Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

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SACRAMENTO, CALIFORNIA  
SEPTEMBER 3, 10, 17, AND 25, 2013

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## Results reported in spores per cubic meter of air (spores/M<sup>3</sup>)

SAMPLE NUMBER	21309001-1 TM09	21309001-1 TM10	21309001-1 TM11	21309001-1 TM12
<b>SAMPLING LOCATION/ACTIVITIES</b>	4 <sup>th</sup> Floor; Column N19 area; Cubicle 31; approximately five feet above floor/Normal office activities	9 <sup>th</sup> Floor; Column K21 area; Cubicle 69; about center; approximately five feet above floor/Normal office activities	11 <sup>th</sup> Floor; Quiet Room 1102; about center; approximately five feet above floor/Normal office activities	18 <sup>th</sup> Floor; about three feet south of Freight Elevator; approximately five feet above floor/Normal office activities
<b>DATE</b>	09/10/13	09/10/13	09/10/13	09/10/13
<b>START/STOP</b>	10:38:00/10:43:00	10:47:00/10:52:00	10:56:00/11:01:00	11:09:00/11:14:00
<b>SAMPLE TIME</b>	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores	53			
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium		13		
Cladosporium	53		53	53
Curvularia				13
Epicoccum				
Fusarium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				13
Smuts (Periconia, Myxomycetes)	13	13	13	27
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	13	<13
Background debris*	2+	2+	2+	2+
<b>TOTAL**</b>	120	27	67	110

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SACRAMENTO, CALIFORNIA  
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## Results reported in spores per cubic meter of air (spores/M<sup>3</sup>)

SAMPLE NUMBER	21309001-1 TM13	21309001-1 TM14OUT	21309001-1 TM15	21309001-1 TM16
<b>SAMPLING LOCATION/ACTIVITIES</b>	20 <sup>th</sup> Floor; Column K18 area; about eight feet north of Column K18; approximately five feet above floor/Normal office activities	Outdoors; about 15 feet southeast of building; approximately five feet above ground/Normal outdoor activities	2 <sup>nd</sup> Floor; Elevator Lobby; about center; approximately five feet above floor/Normal office activities	8 <sup>th</sup> Floor; Break Room 807; about center; approximately five feet above floor/Normal office activities
<b>DATE</b>	09/10/13	09/17/13	09/17/13	09/17/13
<b>START/STOP</b>	11:17:00/11:22:00	15:35:00/15:40:00	15:43:00/15:48:00	15:50:00/15:55:00
<b>SAMPLE TIME</b>	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria		53		
Arthrinium				
Ascospores				
Basidiospores		160	53	
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		2,600	430	
Curvularia		13		
Epicoccum				
Myrothecium				
Nigrospora		80		
Oidium				
Other brown				
Penicillium/Aspergillus types		210	53	53
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)		200	13	
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Hyphal fragments	<13	93	13	<13
Background debris*	2+	2+	2+	2+
<b>TOTAL**</b>	<13	3,300	550	67

\*Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

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SEPTEMBER 3, 10, 17, AND 25, 2013

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## Results reported in spores per cubic meter of air (spores/M<sup>3</sup>)

SAMPLE NUMBER	21309001-1 TM17	21309001-1 TM18	21309001-1 TM19	21309001-1 TM20OUT
<b>SAMPLING LOCATION/ACTIVITIES</b>	14 <sup>th</sup> Floor; Column K21 area; about eight feet north of Column K21; approximately five feet above floor/Normal office activities	17 <sup>th</sup> Floor; Column K20 area; about 10 feet south of Column K20; approximately five feet above floor/Normal office activities	22 <sup>nd</sup> Floor; Column K20 area; about one foot east of Room 2211 entry door; approximately five feet above floor/Normal office activities	Outdoors; about 15 feet northeast of building; approximately five feet above ground/Normal outdoor activities
<b>DATE</b>	09/17/13	09/17/13	09/17/13	09/25/13
<b>START/STOP</b>	15:58:00/16:03:00	16:06:00/16:11:00	16:14:00/16:19:00	14:12:00/14:17:00
<b>SAMPLE TIME</b>	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				190
Arthrinium				480
Ascospores				
Basidiospores			53	1,500
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				13
Cladosporium	53		53	15,000
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				40
Oidium				
Other brown				13
Penicillium/Aspergillus types				160
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)	13			27
Stachybotrys				
Torula				
Ulocladium				
Zygomycetes				
Hyphal fragments	<13	<13	<13	53
Background debris*	2+	1+	2+	2+
<b>TOTAL**</b>	67	<13	110	17,000

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SEPTEMBER 3, 10, 17, AND 25, 2013

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## Results reported in spores per cubic meter of air (spores/M<sup>3</sup>)

SAMPLE NUMBER	21309001-1 TM21	21309001-1 TM22	21309001-1 TM23	21309001-1 TM24
<b>SAMPLING LOCATION/ACTIVITIES</b>	1 <sup>st</sup> Floor; Mail Processing Room 140; northern portion; approximately five feet above floor/Normal office activities	5 <sup>th</sup> Floor; Elevator Lobby; about center; approximately five feet above floor/Normal office activities	6 <sup>th</sup> Floor; Column K20 area; about two feet east of Column K20; approximately five feet above floor/Normal office activities	16 <sup>th</sup> Floor; Column N22 area; about five feet northeast of Column N22; approximately five feet above floor/Normal office activities
<b>DATE</b>	09/25/13	09/25/13	09/25/13	09/25/13
<b>START/STOP</b>	14:20:00/14:25:00	14:29:00/14:34:00	14:36:00/14:41:00	14:46:00/14:51:00
<b>SAMPLE TIME</b>	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria		13		
Arthrinium				
Ascospores				
Basidiospores	110	53		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	270			160
Curvularia				
Epicoccum		13		
Fusarium				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types			110	
Pithomyces				
Rusts				13
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Stemphylium				13
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background debris*	2+	2+	2+	2+
<b>TOTAL**</b>	370	80	110	190

\*Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

\*\*Note that all reported counts have been rounded to no more than two significant figures based on the sampling and analytical methods used, and therefore the total count may not equal the sum of the individual counts in a column.

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TABLE 21309001-1  
AIRBORNE TOTAL FUNGI RESULTS  
450 N STREET  
SACRAMENTO, CALIFORNIA  
SEPTEMBER 3, 10, 17, AND 25, 2013

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## Results reported in spores per cubic meter of air (spores/M<sup>3</sup>)

SAMPLE NUMBER	21309001-1 TM25	21309001-1 TM26		
SAMPLING LOCATION/ACTIVITIES	21 <sup>st</sup> Floor; Room 2108; about center; approximately five feet above floor/Normal office activities	23 <sup>rd</sup> Floor; Conference Room 2304; about five feet north of southern perimeter door; approximately five feet above floor/Normal office activities	This Column intentionally left blank	This Column intentionally left blank
DATE	09/25/13	09/25/13		
START/STOP	14:53:00/14:58:00	15:01:00/15:06:00		
SAMPLE TIME	5 minutes	5 minutes		
Alternaria				
Arthrinium				
Ascospores		53		
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53	53		
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium				
Other brown	13			
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Zygomycetes				
Hyphal fragments	13	<13		
Background debris*	2+	2+		
<b>TOTAL**</b>	67	170		

\*Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

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Report for:

**Mr. Kenny Hsi, Mr. Larry Sandhu**  
**Hygiene Technologies International, Inc.**  
3625 Del Amo Boulevard, Suite 180  
Torrance, CA 90503-8370

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Regarding: Project: 21309001-1  
EML ID: 1108861

Approved by:

Technical Manager  
Melissa Tracey

Dates of Analysis:  
Spore trap analysis: 09-05-2013

Service SOPs: Spore trap analysis (1038)  
AIHA-LAP, LLC accredited service, Lab ID #179768

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All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-03-2013  
 Date of Receipt: 09-04-2013  
 Date of Report: 09-05-2013

**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	21309001-1 TM01 OUT		21309001-1 TM02		21309001-1 TM03		21309001-1 TM04	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	5000959-1		5000960-1		5000961-1		5000962-1	
Analysis Date:	09/05/2013		09/05/2013		09/05/2013		09/05/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	2	27						
Ascospores								
Basidiospores	2	110						
Chaetomium								
Cladosporium	5	270			1	53	2	110
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown			1	13				
Other colorless								
Penicillium/Aspergillus types†	4	210						
Pithomyces								
Rusts	1	13	1	13	2	27		
Smuts, Periconia, Myxomycetes	1	13						
Stachybotrys								
Stemphylium								
Torula	5	67						
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		1+	
Hyphal fragments/m3	40		< 13		13		< 13	
Pollen/m3	93		27		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
<b>§ TOTAL SPORES/m3</b>		<b>710</b>		<b>27</b>		<b>80</b>		<b>110</b>

**Comments:**

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.  
 † The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.  
 ††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.  
 ‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".  
 § Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-03-2013  
 Date of Receipt: 09-04-2013  
 Date of Report: 09-05-2013

**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	21309001-1 TM05		21309001-1 TM06		21309001-1 TM07	
Comments (see below)	None		None		None	
Lab ID-Version‡:	5000963-1		5000964-1		5000965-1	
Analysis Date:	09/05/2013		09/05/2013		09/05/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Ascospores						
Basidiospores						
Botrytis						
Chaetomium						
Cladosporium	1	53				
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other brown						
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+		1+		2+	
Hyphal fragments/m3	< 13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+	
Sample volume (liters)	75		75		75	
<b>§ TOTAL SPORES/m3</b>		<b>53</b>		<b>&lt; 13</b>		<b>&lt; 13</b>

**Comments:**

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.  
 † The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.  
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The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.  
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C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
Re: 21309001-1

Date of Sampling: 09-03-2013  
Date of Receipt: 09-04-2013  
Date of Report: 09-05-2013

**MoldRANGE™: Extended Outdoor Comparison**

**Outdoor Location: 21309001-1 TM01 OUT**

Fungi Identified	Outdoor data	Typical Outdoor Data for: September in California† (n‡=15188)						Typical Outdoor Data for: The entire year in California† (n‡=188141)					
		very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
<b>Generally able to grow indoors*</b>													
Alternaria	27	13	13	27	53	93	60	13	13	27	67	110	54
Bipolaris/Drechslera group	-	7	13	13	27	53	19	7	13	13	27	40	12
Chaetomium	-	8	13	13	27	53	27	8	13	13	27	47	19
Cladosporium	270	160	320	830	2,100	3,500	99	110	210	630	1,700	2,800	97
Curvularia	-	7	13	13	40	67	16	7	13	13	27	53	6
Nigrospora	-	10	13	13	40	93	18	7	13	13	27	53	8
Other brown	-	13	13	13	40	53	37	13	13	13	40	53	34
Penicillium/Aspergillus types	210	53	110	270	750	1,200	90	53	100	210	590	1,000	85
Stachybotrys	-	7	13	13	27	63	5	7	13	13	33	67	4
Torula	67	8	13	13	40	67	14	8	13	13	40	67	12
<b>Seldom found growing indoors**</b>													
Ascospores	-	13	38	89	210	370	68	25	53	110	360	690	71
Basidiospores	110	53	67	190	480	850	93	53	80	270	1,000	2,400	93
Rusts	13	10	13	13	40	80	26	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	13	13	13	40	120	200	74	13	13	40	110	200	68
<b>§ TOTAL SPORES/m3</b>	<b>710</b>												

†The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

\* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

\*\* These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

‡n = number of samples used to calculate data.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-03-2013  
 Date of Receipt: 09-04-2013  
 Date of Report: 09-05-2013

**MoldSTAT™: Supplementary Statistical Spore Trap Report**

**Outdoor Summary: 21309001-1 TM01 OUT:**

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Alternaria					7 - 33 - 590	46
Ascospores					13 - 200 - 5,700	76
Basidiospores					13 - 450 - 23,000	92
Cladosporium					27 - 480 - 10,000	91
Penicillium/Aspergillus types					13 - 170 - 2,700	68
Rusts					7 - 20 - 350	20
Smuts, Periconia, Myxomycetes					7 - 53 - 960	64
Torula					7 - 13 - 180	9
<b>Total</b>						

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurrence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

**Indoor Samples**

**Location: 21309001-1 TM02**

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 3%	dF: 5 Result: 3.2857 Critical value: 11.0705 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: -0.3036 Critical value: 0.6190 Outside Similar: No	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Other brown				13
	Rusts				13
	<b>Total</b>				27

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-03-2013  
 Date of Receipt: 09-04-2013  
 Date of Report: 09-05-2013

**MoldSTAT™: Supplementary Statistical Spore Trap Report**

**Location:** 21309001-1 TM03

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 11%	dF: 5 Result: 3.2857 Critical value: 11.0705 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.3482 Critical value: 0.6786 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Rusts					27
<b>Total</b>					80

**Location:** 21309001-1 TM04

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 15%	dF: 5 Result: 3.2857 Critical value: 11.0705 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.6964 Critical value: 0.6786 Outside Similar: Yes	Score: 106 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					110
<b>Total</b>					110

**Location:** 21309001-1 TM05

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 7%	dF: 5 Result: 3.2857 Critical value: 11.0705 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.6964 Critical value: 0.6786 Outside Similar: Yes	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
<b>Total</b>					53

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-03-2013  
 Date of Receipt: 09-04-2013  
 Date of Report: 09-05-2013

**MoldSTAT™: Supplementary Statistical Spore Trap Report**

**Location:** 21309001-1 TM06

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 5 Result: 3.2857 Critical value: 11.0705 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
<b>Species Detected</b>		<b>Spores/m3</b>		
		<100	1K	10K
				>100K
<b>None Detected</b>		< 13		

**Location:** 21309001-1 TM07

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 5 Result: 3.2857 Critical value: 11.0705 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
<b>Species Detected</b>		<b>Spores/m3</b>		
		<100	1K	10K
				>100K
<b>None Detected</b>		< 13		

\* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

\*\* An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

\*\*\* The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

Client: Hygiene Technologies International, Inc.  
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
Re: 21309001-1Date of Sampling: 09-03-2013  
Date of Receipt: 09-04-2013  
Date of Report: 09-05-2013**MoldSTAT™: Supplementary Statistical Spore Trap Report**

\*\*\*\* MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&K reserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-03-2013  
 Date of Receipt: 09-04-2013  
 Date of Report: 09-05-2013

**MoldSCORE™: Spore Trap Report**

**Outdoor Sample:** 21309001-1 TM01 OUT

Fungi Identified	Outdoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
<b>Generally able to grow indoors*</b>						
Alternaria					2	27
Bipolaris/Drechslera group					ND	< 13
Chaetomium					ND	< 13
Cladosporium					5	270
Curvularia					ND	< 13
Nigrospora					ND	< 13
Penicillium/Aspergillus types†					4	210
Stachybotrys					ND	< 13
Torula					5	67
<b>Seldom found growing indoors**</b>						
Ascospores					ND	< 13
Basidiospores					2	110
Rusts					1	13
Smuts, Periconia, Myxomycetes					1	13
<b>Total</b>						<b>707</b>

**Location:** 21309001-1 TM02

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
<b>Generally able to grow indoors*</b>						
Alternaria					ND	< 13
Bipolaris/Drechslera group					ND	< 13
Chaetomium					ND	< 13
Cladosporium					ND	< 13
Curvularia					ND	< 13
Nigrospora					ND	< 13
Other brown					1	13
Penicillium/Aspergillus types†					ND	< 13
Stachybotrys					ND	< 13
Torula					ND	< 13
<b>Seldom found growing indoors**</b>						
Ascospores					ND	< 13
Basidiospores					ND	< 13
Rusts					1	13
Smuts, Periconia, Myxomycetes					ND	< 13
<b>Total</b>						<b>27</b>

MoldSCORE‡			
100	200	300	Score
			100
			100
			100
			100
			100
			100
			105
			100
			100
			100
			100
			100
			105
			100
<b>Final MoldSCORE</b>			<b>105</b>

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-03-2013  
 Date of Receipt: 09-04-2013  
 Date of Report: 09-05-2013

**MoldSCORE™: Spore Trap Report**

**Location:** 21309001-1 TM03

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
<b>Generally able to grow indoors*</b>										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					1	53				103
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†					ND	< 13				100
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
<b>Seldom found growing indoors**</b>										
Ascospores					ND	< 13				100
Basidiospores					ND	< 13				100
Rusts					2	27				110
Smuts, Periconia, Myxomycetes					ND	< 13				100
<b>Total</b>						<b>80</b>				<b>Final MoldSCORE 103</b>

**Location:** 21309001-1 TM04

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
<b>Generally able to grow indoors*</b>										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					2	110				106
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†					ND	< 13				100
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
<b>Seldom found growing indoors**</b>										
Ascospores					ND	< 13				100
Basidiospores					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes					ND	< 13				100
<b>Total</b>						<b>107</b>				<b>Final MoldSCORE 106</b>

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-03-2013  
 Date of Receipt: 09-04-2013  
 Date of Report: 09-05-2013

**MoldSCORE™: Spore Trap Report**

**Location:** 21309001-1 TM05

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡				
	<100	1K	10K	>100K			100	200	300	Score	
<b>Generally able to grow indoors*</b>											
Alternaria					ND	< 13				100	
Bipolaris/Drechslera group					ND	< 13				100	
Chaetomium					ND	< 13				100	
Cladosporium					1	53				103	
Curvularia					ND	< 13				100	
Nigrospora					ND	< 13				100	
Penicillium/Aspergillus types†					ND	< 13				100	
Stachybotrys					ND	< 13				100	
Torula					ND	< 13				100	
<b>Seldom found growing indoors**</b>											
Ascospores					ND	< 13				100	
Basidiospores					ND	< 13				100	
Rusts					ND	< 13				100	
Smuts, Periconia, Myxomycetes					ND	< 13				100	
<b>Total</b>						<b>53</b>					
										<b>Final MoldSCORE</b>	<b>103</b>

**Location:** 21309001-1 TM06

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡				
	<100	1K	10K	>100K			100	200	300	Score	
<b>Generally able to grow indoors*</b>											
Alternaria					ND	< 13				100	
Bipolaris/Drechslera group					ND	< 13				100	
Chaetomium					ND	< 13				100	
Cladosporium					ND	< 13				100	
Curvularia					ND	< 13				100	
Nigrospora					ND	< 13				100	
Penicillium/Aspergillus types†					ND	< 13				100	
Stachybotrys					ND	< 13				100	
Torula					ND	< 13				100	
<b>Seldom found growing indoors**</b>											
Ascospores					ND	< 13				100	
Basidiospores					ND	< 13				100	
Rusts					ND	< 13				100	
Smuts, Periconia, Myxomycetes					ND	< 13				100	
<b>Total</b>						<b>N/A</b>					
										<b>Final MoldSCORE</b>	<b>100</b>

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-03-2013  
 Date of Receipt: 09-04-2013  
 Date of Report: 09-05-2013

**MoldSCORE™: Spore Trap Report**

**Location:** 21309001-1 TM07

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡		
	<100	1K	10K	>100K			100	200	300
<b>Generally able to grow indoors*</b>									
Alternaria					ND	< 13	█		100
Bipolaris/Drechslera group					ND	< 13	█		100
Chaetomium					ND	< 13	█		100
Cladosporium					ND	< 13	█		100
Curvularia					ND	< 13	█		100
Nigrospora					ND	< 13	█		100
Penicillium/Aspergillus types†					ND	< 13	█		100
Stachybotrys					ND	< 13	█		100
Torula					ND	< 13	█		100
<b>Seldom found growing indoors**</b>									
Ascospores					ND	< 13	█		100
Basidiospores					ND	< 13	█		100
Rusts					ND	< 13	█		100
Smuts, Periconia, Myxomycetes					ND	< 13	█		100
<b>Total</b>						<b>N/A</b>			
								<b>Final MoldSCORE</b>	<b>100</b>

\* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

\*\* These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

†The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods.

‡Rated on a scale from 100 to 300. A rating less than 150 is low and indicates a low probability of spores originating inside. A rating greater than 250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A rating between 150 and 250 indicates a moderate likelihood of indoor fungal growth. MoldSCORE is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the analysis on other samples (like wall cavity samples) will lead to misleading results.



Report for:

**Mr. Kenny Hsi, Mr. Larry Sandhu**  
**Hygiene Technologies International, Inc.**  
3625 Del Amo Boulevard, Suite 180  
Torrance, CA 90503-8370

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Regarding: Project: 21309001-1  
EML ID: 1111472

Approved by:

Technical Manager  
Melissa Tracey

Dates of Analysis:  
Spore trap analysis: 09-11-2013

Service SOPs: Spore trap analysis (1038)  
AIHA-LAP, LLC accredited service, Lab ID #179768

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All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Hygiene Technologies International, Inc.  
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
Re: 21309001-1Date of Sampling: 09-10-2013  
Date of Receipt: 09-10-2013  
Date of Report: 09-11-2013**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	21309001-1 TM08 OUT		21309001-1 TM09		21309001-1 TM10	
Comments (see below)	None		None		None	
Lab ID-Version‡:	5013446-1		5013447-1		5013448-1	
Analysis Date:	09/11/2013		09/11/2013		09/11/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Ascospores	11	590	1	53		
Basidiospores	18	960				
Bipolaris/Drechslera group	1	13				
Botrytis						
Chaetomium	1	13			1	13
Cladosporium	67	3,600	1	53		
Curvularia						
Epicoccum	1	13				
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†	1	53				
Pithomyces						
Rusts	1	13				
Smuts, Periconia, Myxomycetes	3	40	1	13	1	13
Stachybotrys	11	150				
Stemphylium						
Torula	1	13				
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		2+	
Hyphal fragments/m3	67		< 13		< 13	
Pollen/m3	190		13		13	
Skin cells (1-4+)	< 1+		1+		1+	
Sample volume (liters)	75		75		75	
<b>§ TOTAL SPORES/m3</b>		<b>5,400</b>		<b>120</b>		<b>27</b>

**Comments:**

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-10-2013  
 Date of Receipt: 09-10-2013  
 Date of Report: 09-11-2013

**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	21309001-1 TM11		21309001-1 TM12		21309001-1 TM13	
Comments (see below)	None		None		None	
Lab ID-Version‡:	5013449-1		5013450-1		5013451-1	
Analysis Date:	09/11/2013		09/11/2013		09/11/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Ascospores						
Basidiospores						
Bipolaris/Drechslera group						
Botrytis						
Chaetomium						
Cladosporium	1	53	1	53		
Curvularia			1	13		
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts			1	13		
Smuts, Periconia, Myxomycetes	1	13	2	27		
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		2+	
Hyphal fragments/m3	13		< 13		< 13	
Pollen/m3	< 13		13		< 13	
Skin cells (1-4+)	1+		1+		1+	
Sample volume (liters)	75		75		75	
<b>§ TOTAL SPORES/m3</b>		<b>67</b>		<b>110</b>		<b>&lt; 13</b>

**Comments:**

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Hygiene Technologies International, Inc.  
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
Re: 21309001-1

Date of Sampling: 09-10-2013  
Date of Receipt: 09-10-2013  
Date of Report: 09-11-2013

**MoldRANGE™: Extended Outdoor Comparison**  
**Outdoor Location: 21309001-1 TM08 OUT**

Fungi Identified	Outdoor data	Typical Outdoor Data for: September in California† (n‡=15188)						Typical Outdoor Data for: The entire year in California† (n‡=188141)					
		very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
<b>Generally able to grow indoors*</b>													
Alternaria	-	13	13	27	53	93	60	13	13	27	67	110	54
Bipolaris/Drechslera group	13	7	13	13	27	53	19	7	13	13	27	40	12
Chaetomium	13	8	13	13	27	53	27	8	13	13	27	47	19
Cladosporium	3,600	160	320	830	2,100	3,500	99	110	210	630	1,700	2,800	97
Curvularia	-	7	13	13	40	67	16	7	13	13	27	53	6
Epicoccum	13	7	13	13	29	53	21	8	13	13	33	53	19
Nigrospora	-	10	13	13	40	93	18	7	13	13	27	53	8
Penicillium/Aspergillus types	53	53	110	270	750	1,200	90	53	100	210	590	1,000	85
Stachybotrys	150	7	13	13	27	63	5	7	13	13	33	67	4
Torula	13	8	13	13	40	67	14	8	13	13	40	67	12
<b>Seldom found growing indoors**</b>													
Ascospores	590	13	38	89	210	370	68	25	53	110	360	690	71
Basidiospores	960	53	67	190	480	850	93	53	80	270	1,000	2,400	93
Rusts	13	10	13	13	40	80	26	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	40	13	13	40	120	200	74	13	13	40	110	200	68
<b>§ TOTAL SPORES/m3</b>	<b>5,400</b>												

†The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

\* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

\*\* These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

‡n = number of samples used to calculate data.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-10-2013  
 Date of Receipt: 09-10-2013  
 Date of Report: 09-11-2013

**MoldSTAT™: Supplementary Statistical Spore Trap Report**

**Outdoor Summary: 21309001-1 TM08 OUT:**

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Ascospores				590	13 - 210 - 5,700	77
Basidiospores				960	13 - 450 - 24,000	92
Bipolaris/Drechslera group				13	7 - 13 - 250	16
Chaetomium				13	7 - 13 - 160	9
Cladosporium				3,600	27 - 480 - 10,000	91
Epicoccum				13	7 - 20 - 330	25
Penicillium/Aspergillus types				53	13 - 170 - 2,700	68
Rusts				13	7 - 20 - 360	20
Smuts, Periconia, Myxomycetes				40	7 - 53 - 930	64
Stachybotrys				150	7 - 13 - 570	3
Torula				13	7 - 13 - 180	9
<b>Total</b>				5,400		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurrence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

**Indoor Samples**

**Location: 21309001-1 TM09**

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 2%	dF: 4 Result: 4.7000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.4286	dF: 11 Result: 0.6750 Critical value: 0.5273 Outside Similar: Yes	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Ascospores				53
	Cladosporium				53
	Smuts, Periconia, Myxomycetes				13
	<b>Total</b>				120

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-10-2013  
 Date of Receipt: 09-10-2013  
 Date of Report: 09-11-2013

**MoldSTAT™: Supplementary Statistical Spore Trap Report**

**Location:** 21309001-1 TM10

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 4 Result: 4.7000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.3077	dF: 11 Result: 0.1705 Critical value: 0.5273 Outside Similar: No	Score: 121 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Chaetomium					13
Smuts, Periconia, Myxomycetes					13
<b>Total</b>					27

**Location:** 21309001-1 TM11

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 1%	dF: 4 Result: 4.7000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.3077	dF: 11 Result: 0.5909 Critical value: 0.5273 Outside Similar: Yes	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Smuts, Periconia, Myxomycetes					13
<b>Total</b>					67

**Location:** 21309001-1 TM12

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 1%	dF: 4 Result: 4.7000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.4000	dF: 12 Result: 0.2150 Critical value: 0.4965 Outside Similar: No	Score: 110 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Curvularia					13
Rusts					13
Smuts, Periconia, Myxomycetes					27
<b>Total</b>					110

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-10-2013  
 Date of Receipt: 09-10-2013  
 Date of Report: 09-11-2013

**MoldSTAT™: Supplementary Statistical Spore Trap Report**

**Location:** 21309001-1 TM13

<b>% of outdoor total spores/m3</b>	<b>Friedman chi-square* (indoor variation)</b>	<b>Agreement ratio** (indoor/outdoor)</b>	<b>Spearman rank correlation*** (indoor/outdoor)</b>	<b>MoldSCORE**** (indoor/outdoor)</b>
Result: < 1%	dF: 4 Result: 4.7000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
<b>Species Detected</b>		<b>Spores/m3</b>		
		<100	1K	10K
				>100K
<b>None Detected</b>				< 13

\* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

\*\* An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

\*\*\* The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

\*\*\*\* MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&K reserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-10-2013  
 Date of Receipt: 09-10-2013  
 Date of Report: 09-11-2013

**MoldSCORE™: Spore Trap Report**

**Outdoor Sample:** 21309001-1 TM08 OUT

Fungi Identified	Outdoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
<b>Generally able to grow indoors*</b>						
Alternaria					ND	< 13
Bipolaris/Drechslera group	█				1	13
Chaetomium	█				1	13
Cladosporium	█	█	█		67	3,600
Curvularia					ND	< 13
Epicoccum	█				1	13
Nigrospora					ND	< 13
Penicillium/Aspergillus types†	█				1	53
Stachybotrys	█				11	150
Torula	█				1	13
<b>Seldom found growing indoors**</b>						
Ascospores	█	█	█		11	590
Basidiospores	█	█	█		18	960
Rusts	█				1	13
Smuts, Periconia, Myxomycetes	█				3	40
<b>Total</b>						<b>5,427</b>

**Location:** 21309001-1 TM09

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
<b>Generally able to grow indoors*</b>						
Alternaria					ND	< 13
Bipolaris/Drechslera group					ND	< 13
Chaetomium					ND	< 13
Cladosporium	█				1	53
Curvularia					ND	< 13
Nigrospora					ND	< 13
Penicillium/Aspergillus types†					ND	< 13
Stachybotrys					ND	< 13
Torula					ND	< 13
<b>Seldom found growing indoors**</b>						
Ascospores	█				1	53
Basidiospores					ND	< 13
Rusts					ND	< 13
Smuts, Periconia, Myxomycetes	█				1	13
<b>Total</b>						<b>120</b>

MoldSCORE‡			
100	200	300	Score
█			100
█			100
█			100
█			100
█			100
█			100
█			100
█			100
█			100
█			100
█	█		116
█			100
█			100
█			102
<b>Final MoldSCORE</b>			<b>102</b>

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-10-2013  
 Date of Receipt: 09-10-2013  
 Date of Report: 09-11-2013

**MoldSCORE™: Spore Trap Report**

**Location:** 21309001-1 TM10

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
<b>Generally able to grow indoors*</b>										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium	█				1	13	█	█		121
Cladosporium					ND	< 13	█			100
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
<b>Seldom found growing indoors**</b>										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes	█				1	13	█	█		103
<b>Total</b>						<b>27</b>				<b>Final MoldSCORE 121</b>

**Location:** 21309001-1 TM11

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
<b>Generally able to grow indoors*</b>										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				1	53	█	█		101
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
<b>Seldom found growing indoors**</b>										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes	█				1	13	█	█		103
<b>Total</b>						<b>67</b>				<b>Final MoldSCORE 103</b>

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-10-2013  
 Date of Receipt: 09-10-2013  
 Date of Report: 09-11-2013

**MoldSCORE™: Spore Trap Report**

**Location:** 21309001-1 TM12

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
<b>Generally able to grow indoors*</b>										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				1	53	█			100
Curvularia	█				1	13	█			105
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
<b>Seldom found growing indoors**</b>										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts	█				1	13	█			105
Smuts, Periconia, Myxomycetes	█				2	27	█			105
<b>Total</b>						<b>107</b>				<b>Final MoldSCORE 110</b>

**Location:** 21309001-1 TM13

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
<b>Generally able to grow indoors*</b>										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium					ND	< 13	█			100
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
<b>Seldom found growing indoors**</b>										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
<b>Total</b>						<b>N/A</b>				<b>Final MoldSCORE 100</b>

Client: Hygiene Technologies International, Inc.  
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
Re: 21309001-1

Date of Sampling: 09-10-2013  
Date of Receipt: 09-10-2013  
Date of Report: 09-11-2013

### **MoldSCORE™: Spore Trap Report**

\* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

\*\* These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

†The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods.

‡Rated on a scale from 100 to 300. A rating less than 150 is low and indicates a low probability of spores originating inside. A rating greater than 250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A rating between 150 and 250 indicates a moderate likelihood of indoor fungal growth. MoldSCORE is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the analysis on other samples (like wall cavity samples) will lead to misleading results.



Report for:

**Mr. Kenny Hsi, Mr. Larry Sandhu**  
**Hygiene Technologies International, Inc.**  
3625 Del Amo Boulevard, Suite 180  
Torrance, CA 90503-8370

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Regarding: Project: 21309001-1  
EML ID: 1115259

Approved by:

Technical Manager  
Melissa Tracey

Dates of Analysis:  
Spore trap analysis: 09-19-2013

Service SOPs: Spore trap analysis (1038)  
AIHA-LAP, LLC accredited service, Lab ID #179768

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All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Hygiene Technologies International, Inc.  
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
Re: 21309001-1Date of Sampling: 09-17-2013  
Date of Receipt: 09-18-2013  
Date of Report: 09-19-2013**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	21309001-1 TM14 OUT		21309001-1 TM15		21309001-1 TM16	
Comments (see below)	None		None		None	
Lab ID-Version‡:	5031918-1		5031919-1		5031920-1	
Analysis Date:	09/19/2013		09/19/2013		09/19/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	4	53			1	13
Ascospores						
Basidiospores	3	160	1	53		
Bipolaris/Drechslera group						
Botrytis						
Chaetomium						
Cladosporium	48	2,600	8	430		
Curvularia	1	13				
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora	6	80				
Other colorless						
Penicillium/Aspergillus types†	4	210	1	53	1	53
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes	15	200	1	13		
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		2+	
Hyphal fragments/m3	93		13		< 13	
Pollen/m3	13		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		1+	
Sample volume (liters)	75		75		75	
<b>§ TOTAL SPORES/m3</b>		<b>3,300</b>		<b>550</b>		<b>67</b>

**Comments:**

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Hygiene Technologies International, Inc.  
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
Re: 21309001-1

Date of Sampling: 09-17-2013  
Date of Receipt: 09-18-2013  
Date of Report: 09-19-2013

**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	21309001-1 TM17		21309001-1 TM18		21309001-1 TM19	
Comments (see below)	None		None		None	
Lab ID-Version‡:	5031921-1		5031922-1		5031923-1	
Analysis Date:	09/19/2013		09/19/2013		09/19/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Ascospores						
Basidiospores					1	53
Bipolaris/Drechslera group						
Botrytis						
Chaetomium						
Cladosporium	1	53			1	53
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes	1	13				
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		1+		2+	
Hyphal fragments/m3	< 13		< 13		< 13	
Pollen/m3	13		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+	
Sample volume (liters)	75		75		75	
<b>§ TOTAL SPORES/m3</b>		<b>67</b>		<b>&lt; 13</b>		<b>110</b>

**Comments:**

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.  
 † The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.  
 ††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.  
 ‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".  
 § Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Hygiene Technologies International, Inc.  
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
Re: 21309001-1

Date of Sampling: 09-17-2013  
Date of Receipt: 09-18-2013  
Date of Report: 09-19-2013

**MoldRANGE™: Extended Outdoor Comparison**  
**Outdoor Location: 21309001-1 TM14 OUT**

Fungi Identified	Outdoor data	Typical Outdoor Data for: September in California† (n‡=15188)						Typical Outdoor Data for: The entire year in California† (n‡=188141)					
		very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
<b>Generally able to grow indoors*</b>													
Alternaria	53	13	13	27	53	93	60	13	13	27	67	110	54
Bipolaris/Drechslera group	-	7	13	13	27	53	19	7	13	13	27	40	12
Chaetomium	-	8	13	13	27	53	27	8	13	13	27	47	19
Cladosporium	2,600	160	320	830	2,100	3,500	99	110	210	630	1,700	2,800	97
Curvularia	13	7	13	13	40	67	16	7	13	13	27	53	6
Nigrospora	80	10	13	13	40	93	18	7	13	13	27	53	8
Penicillium/Aspergillus types	210	53	110	270	750	1,200	90	53	100	210	590	1,000	85
Stachybotrys	-	7	13	13	27	63	5	7	13	13	33	67	4
Torula	-	8	13	13	40	67	14	8	13	13	40	67	12
<b>Seldom found growing indoors**</b>													
Ascospores	-	13	38	89	210	370	68	25	53	110	360	690	71
Basidiospores	160	53	67	190	480	850	93	53	80	270	1,000	2,400	93
Rusts	-	10	13	13	40	80	26	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	200	13	13	40	120	200	74	13	13	40	110	200	68
<b>§ TOTAL SPORES/m3</b>	<b>3,300</b>												

†The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

\* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

\*\* These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

‡n = number of samples used to calculate data.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-17-2013  
 Date of Receipt: 09-18-2013  
 Date of Report: 09-19-2013

**MoldSTAT™: Supplementary Statistical Spore Trap Report**

**Outdoor Summary: 21309001-1 TM14 OUT:**

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Alternaria				53	7 - 33 - 590	46
Ascospores				< 13	13 - 210 - 5,700	77
Basidiospores				160	13 - 450 - 24,000	92
Cladosporium				2,600	27 - 480 - 10,000	91
Curvularia				13	7 - 27 - 610	17
Nigrospora				80	7 - 13 - 230	16
Penicillium/Aspergillus types				210	13 - 170 - 2,700	68
Smuts, Periconia, Myxomycetes				200	7 - 53 - 930	64
<b>Total</b>				3,300		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurrence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

**Indoor Samples**

**Location: 21309001-1 TM15**

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 16%	dF: 4 Result: 4.9200 Critical value: 9.4877 Inside Similar: Yes	Result: 0.7273	dF: 7 Result: 0.9018 Critical value: 0.6786 Outside Similar: Yes	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Basidiospores				53
	Cladosporium				430
	Penicillium/Aspergillus types				53
	Smuts, Periconia, Myxomycetes				13
	<b>Total</b>				550

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-17-2013  
 Date of Receipt: 09-18-2013  
 Date of Report: 09-19-2013

**MoldSTAT™: Supplementary Statistical Spore Trap Report**

**Location:** 21309001-1 TM16

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 1%	dF: 4 Result: 4.9200 Critical value: 9.4877 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.2500 Critical value: 0.6786 Outside Similar: No	Score: 108 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Penicillium/Aspergillus types					53
<b>Total</b>					67

**Location:** 21309001-1 TM17

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 1%	dF: 4 Result: 4.9200 Critical value: 9.4877 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.7143 Critical value: 0.6786 Outside Similar: Yes	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Smuts, Periconia, Myxomycetes					13
<b>Total</b>					67

**Location:** 21309001-1 TM18

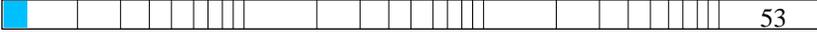
% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 4 Result: 4.9200 Critical value: 9.4877 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
<b>None Detected</b>					< 13

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-17-2013  
 Date of Receipt: 09-18-2013  
 Date of Report: 09-19-2013

**MoldSTAT™: Supplementary Statistical Spore Trap Report**

**Location:** 21309001-1 TM19

<b>% of outdoor total spores/m3</b>	<b>Friedman chi-square* (indoor variation)</b>	<b>Agreement ratio** (indoor/outdoor)</b>	<b>Spearman rank correlation*** (indoor/outdoor)</b>	<b>MoldSCORE**** (indoor/outdoor)</b>
Result: 3%	dF: 4 Result: 4.9200 Critical value: 9.4877 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.5625 Critical value: 0.6786 Outside Similar: No	Score: 105 Result: Low
<b>Species Detected</b>		<b>Spores/m3</b>		
		<100	1K	10K
				>100K
Basidiospores				
Cladosporium				
<b>Total</b>				

\* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

\*\* An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

\*\*\* The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

\*\*\*\* MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&K reserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-17-2013  
 Date of Receipt: 09-18-2013  
 Date of Report: 09-19-2013

**MoldSCORE™: Spore Trap Report**

**Outdoor Sample:** 21309001-1 TM14 OUT

Fungi Identified	Outdoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
<b>Generally able to grow indoors*</b>						
Alternaria					4	53
Bipolaris/Drechslera group					ND	< 13
Chaetomium					ND	< 13
Cladosporium					48	2,600
Curvularia					1	13
Nigrospora					6	80
Penicillium/Aspergillus types†					4	210
Stachybotrys					ND	< 13
Torula					ND	< 13
<b>Seldom found growing indoors**</b>						
Ascospores					ND	< 13
Basidiospores					3	160
Rusts					ND	< 13
Smuts, Periconia, Myxomycetes					15	200
<b>Total</b>						<b>3,280</b>

**Location:** 21309001-1 TM15

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
<b>Generally able to grow indoors*</b>						
Alternaria					ND	< 13
Bipolaris/Drechslera group					ND	< 13
Chaetomium					ND	< 13
Cladosporium					8	430
Curvularia					ND	< 13
Nigrospora					ND	< 13
Penicillium/Aspergillus types†					1	53
Stachybotrys					ND	< 13
Torula					ND	< 13
<b>Seldom found growing indoors**</b>						
Ascospores					ND	< 13
Basidiospores					1	53
Rusts					ND	< 13
Smuts, Periconia, Myxomycetes					1	13
<b>Total</b>						<b>547</b>

MoldSCORE‡			
100	200	300	Score
			100
			100
			100
			100
			100
			100
			103
			100
			100
			100
			103
			100
			100
<b>Final MoldSCORE</b>			<b>103</b>

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-17-2013  
 Date of Receipt: 09-18-2013  
 Date of Report: 09-19-2013

**MoldSCORE™: Spore Trap Report**

**Location:** 21309001-1 TM16

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
<b>Generally able to grow indoors*</b>										
Alternaria					1	13				
Bipolaris/Drechslera group					ND	< 13				
Chaetomium					ND	< 13				
Cladosporium					ND	< 13				
Curvularia					ND	< 13				
Nigrospora					ND	< 13				
Penicillium/Aspergillus types†					1	53				
Stachybotrys					ND	< 13				
Torula					ND	< 13				
<b>Seldom found growing indoors**</b>										
Ascospores					ND	< 13				
Basidiospores					ND	< 13				
Rusts					ND	< 13				
Smuts, Periconia, Myxomycetes					ND	< 13				
<b>Total</b>						<b>67</b>	<b>Final MoldSCORE 108</b>			

**Location:** 21309001-1 TM17

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
<b>Generally able to grow indoors*</b>										
Alternaria					ND	< 13				
Bipolaris/Drechslera group					ND	< 13				
Chaetomium					ND	< 13				
Cladosporium					1	53				
Curvularia					ND	< 13				
Nigrospora					ND	< 13				
Penicillium/Aspergillus types†					ND	< 13				
Stachybotrys					ND	< 13				
Torula					ND	< 13				
<b>Seldom found growing indoors**</b>										
Ascospores					ND	< 13				
Basidiospores					ND	< 13				
Rusts					ND	< 13				
Smuts, Periconia, Myxomycetes					1	13				
<b>Total</b>						<b>67</b>	<b>Final MoldSCORE 102</b>			

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-17-2013  
 Date of Receipt: 09-18-2013  
 Date of Report: 09-19-2013

**MoldSCORE™: Spore Trap Report**

**Location:** 21309001-1 TM18

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
<b>Generally able to grow indoors*</b>										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					ND	< 13				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†					ND	< 13				100
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
<b>Seldom found growing indoors**</b>										
Ascospores					ND	< 13				100
Basidiospores					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes					ND	< 13				100
<b>Total</b>						<b>N/A</b>				<b>Final MoldSCORE 100</b>

**Location:** 21309001-1 TM19

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
<b>Generally able to grow indoors*</b>										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					1	53				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†					ND	< 13				100
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
<b>Seldom found growing indoors**</b>										
Ascospores					ND	< 13				100
Basidiospores					1	53				105
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes					ND	< 13				100
<b>Total</b>						<b>107</b>				<b>Final MoldSCORE 105</b>

Client: Hygiene Technologies International, Inc.  
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
Re: 21309001-1

Date of Sampling: 09-17-2013  
Date of Receipt: 09-18-2013  
Date of Report: 09-19-2013

### **MoldSCORE™: Spore Trap Report**

\* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

\*\* These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

†The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods.

‡Rated on a scale from 100 to 300. A rating less than 150 is low and indicates a low probability of spores originating inside. A rating greater than 250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A rating between 150 and 250 indicates a moderate likelihood of indoor fungal growth. MoldSCORE is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the analysis on other samples (like wall cavity samples) will lead to misleading results.



Report for:

**Mr. Kenny Hsi, Mr. Larry Sandhu**  
**Hygiene Technologies International, Inc.**  
3625 Del Amo Boulevard, Suite 180  
Torrance, CA 90503-8370

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Regarding: Project: 21309001-1  
EML ID: 1119221

Approved by:

Technical Manager  
Melissa Tracey

REVISED REPORT

Dates of Analysis:  
Spore trap analysis: 10-01-2013

Service SOPs: Spore trap analysis (1038)  
AIHA-LAP, LLC accredited service, Lab ID #179768

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All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-25-2013  
 Date of Receipt: 09-26-2013  
 Date of Report: 09-27-2013

**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	21309001-1 TM20 OUT		21309001-1 TM21		21309001-1 TM22		21309001-1 TM23	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	5051022-2		5051023-2		5051024-2		5051025-2	
Analysis Date:	10/01/2013		10/01/2013		10/01/2013		10/01/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	14	190			1	13		
Ascospores	9	480						
Basidiospores	29	1,500	2	110				
Chaetomium	1	13						
Cladosporium	275	15,000	5	270	1	53		
Epicoccum					1	13		
Fusarium								
Myrothecium								
Nigrospora	3	40						
Other brown	1	13						
Other colorless								
Penicillium/Aspergillus types†	3	160					2	110
Pithomyces								
Rusts								
Smuts, Periconia, Myxomycetes	2	27						
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	53		< 13		< 13		< 13	
Pollen/m3	27		< 13		< 13		13	
Skin cells (1-4+)	< 1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
<b>§ TOTAL SPORES/m3</b>		<b>17,000</b>		<b>370</b>		<b>80</b>		<b>110</b>

**Comments:**

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Hygiene Technologies International, Inc.  
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
Re: 21309001-1Date of Sampling: 09-25-2013  
Date of Receipt: 09-26-2013  
Date of Report: 09-27-2013**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	21309001-1 TM24		21309001-1 TM25		21309001-1 TM26	
Comments (see below)	None		None		None	
Lab ID-Version‡:	5051026-2		5051027-2		5051028-2	
Analysis Date:	10/01/2013		10/01/2013		10/01/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Ascospores					1	53
Basidiospores						
Chaetomium						
Cladosporium	3	160	1	53	1	53
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other brown			1	13		
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts	1	13				
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium	1	13				
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		< 13	
Pollen/m3	27		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+	
Sample volume (liters)	75		75		75	
<b>§ TOTAL SPORES/m3</b>		<b>190</b>		<b>67</b>		<b>110</b>

**Comments:**

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.

† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

Client: Hygiene Technologies International, Inc.  
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
Re: 21309001-1

Date of Sampling: 09-25-2013  
Date of Receipt: 09-26-2013  
Date of Report: 09-27-2013

**MoldRANGE™: Extended Outdoor Comparison**  
**Outdoor Location: 21309001-1 TM20 OUT**

Fungi Identified	Outdoor data	Typical Outdoor Data for: September in California† (n‡=15188)						Typical Outdoor Data for: The entire year in California† (n‡=188141)					
		very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
<b>Generally able to grow indoors*</b>													
Alternaria	190	13	13	27	53	93	60	13	13	27	67	110	54
Bipolaris/Drechslera group	-	7	13	13	27	53	19	7	13	13	27	40	12
Chaetomium	13	8	13	13	27	53	27	8	13	13	27	47	19
Cladosporium	15,000	160	320	830	2,100	3,500	99	110	210	630	1,700	2,800	97
Curvularia	-	7	13	13	40	67	16	7	13	13	27	53	6
Epicoccum	-	7	13	13	29	53	21	8	13	13	33	53	19
Nigrospora	40	10	13	13	40	93	18	7	13	13	27	53	8
Other brown	13	13	13	13	40	53	37	13	13	13	40	53	34
Penicillium/Aspergillus types	160	53	110	270	750	1,200	90	53	100	210	590	1,000	85
Stachybotrys	-	7	13	13	27	63	5	7	13	13	33	67	4
Stemphylium	-	7	13	13	27	40	10	7	13	13	27	40	9
Torula	-	8	13	13	40	67	14	8	13	13	40	67	12
<b>Seldom found growing indoors**</b>													
Ascospores	480	13	38	89	210	370	68	25	53	110	360	690	71
Basidiospores	1,500	53	67	190	480	850	93	53	80	270	1,000	2,400	93
Rusts	-	10	13	13	40	80	26	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	27	13	13	40	120	200	74	13	13	40	110	200	68
<b>§ TOTAL SPORES/m3</b>	<b>17,000</b>												

†The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

\* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

\*\* These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

‡n = number of samples used to calculate data.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-25-2013  
 Date of Receipt: 09-26-2013  
 Date of Report: 09-27-2013

**MoldSTAT™: Supplementary Statistical Spore Trap Report**

**Outdoor Summary: 21309001-1 TM20 OUT:**

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Alternaria				190	7 - 33 - 590	46
Ascospores				480	13 - 210 - 5,700	77
Basidiospores				1,500	13 - 450 - 24,000	92
Chaetomium				13	7 - 13 - 160	9
Cladosporium				15,000	27 - 480 - 10,000	91
Nigrospora				40	7 - 13 - 230	16
Other brown				13	7 - 13 - 120	24
Penicillium/Aspergillus types				160	13 - 170 - 2,700	68
Smuts, Periconia, Myxomycetes				27	7 - 53 - 930	64
<b>Total</b>				17,000		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurrence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

**Indoor Samples**

**Location: 21309001-1 TM21**

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 2%	dF: 5 Result: 1.0635 Critical value: 11.0705 Inside Similar: Yes	Result: 0.3636	dF: 9 Result: 0.7708 Critical value: 0.5833 Outside Similar: Yes	Score: 108 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Basidiospores				110
	Cladosporium				270
	<b>Total</b>				370

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-25-2013  
 Date of Receipt: 09-26-2013  
 Date of Report: 09-27-2013

**MoldSTAT™: Supplementary Statistical Spore Trap Report**

**Location:** 21309001-1 TM22

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 5 Result: 1.0635 Critical value: 11.0705 Inside Similar: Yes	Result: 0.3333	dF: 10 Result: 0.3394 Critical value: 0.5515 Outside Similar: No	Score: 110 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Cladosporium					53
Epicoccum					13
<b>Total</b>					80

**Location:** 21309001-1 TM23

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 5 Result: 1.0635 Critical value: 11.0705 Inside Similar: Yes	Result: 0.2000	dF: 9 Result: 0.3542 Critical value: 0.5833 Outside Similar: No	Score: 117 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					110
<b>Total</b>					110

**Location:** 21309001-1 TM24

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 1%	dF: 5 Result: 1.0635 Critical value: 11.0705 Inside Similar: Yes	Result: 0.1667	dF: 11 Result: 0.0841 Critical value: 0.5273 Outside Similar: No	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					160
Rusts					13
Stemphylium					13
<b>Total</b>					190

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-25-2013  
 Date of Receipt: 09-26-2013  
 Date of Report: 09-27-2013

**MoldSTAT™: Supplementary Statistical Spore Trap Report**

**Location:** 21309001-1 TM25

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 5 Result: 1.0635 Critical value: 11.0705 Inside Similar: Yes	Result: 0.3636	dF: 9 Result: 0.3375 Critical value: 0.5833 Outside Similar: No	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Other brown					13
<b>Total</b>					67

**Location:** 21309001-1 TM26

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 5 Result: 1.0635 Critical value: 11.0705 Inside Similar: Yes	Result: 0.3636	dF: 9 Result: 0.6917 Critical value: 0.5833 Outside Similar: Yes	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Ascospores					53
Cladosporium					53
<b>Total</b>					110

\* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

\*\* An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

\*\*\* The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

Client: Hygiene Technologies International, Inc.  
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
Re: 21309001-1Date of Sampling: 09-25-2013  
Date of Receipt: 09-26-2013  
Date of Report: 09-27-2013**MoldSTAT™: Supplementary Statistical Spore Trap Report**

\*\*\*\* MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&K reserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.



Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-25-2013  
 Date of Receipt: 09-26-2013  
 Date of Report: 09-27-2013

**MoldSCORE™: Spore Trap Report**

**Location:** 21309001-1 TM22

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
<b>Generally able to grow indoors*</b>										
Alternaria	█				1	13	█			105
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				1	53	█			100
Curvularia					ND	< 13	█			100
Epicoccum	█				1	13	█			105
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
<b>Seldom found growing indoors**</b>										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
<b>Total</b>						<b>80</b>				<b>Final MoldSCORE 110</b>

**Location:** 21309001-1 TM23

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
<b>Generally able to grow indoors*</b>										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium					ND	< 13	█			100
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†	█				2	110	█			117
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
<b>Seldom found growing indoors**</b>										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
<b>Total</b>						<b>107</b>				<b>Final MoldSCORE 117</b>

Client: Hygiene Technologies International, Inc.  
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu  
 Re: 21309001-1

Date of Sampling: 09-25-2013  
 Date of Receipt: 09-26-2013  
 Date of Report: 09-27-2013

**MoldSCORE™: Spore Trap Report**

**Location:** 21309001-1 TM24

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
<b>Generally able to grow indoors*</b>										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				3	160	█			100
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Stemphylium	█				1	13	█			105
Torula					ND	< 13	█			100
<b>Seldom found growing indoors**</b>										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts	█				1	13	█			105
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
<b>Total</b>						<b>187</b>	<b>Final MoldSCORE 105</b>			

**Location:** 21309001-1 TM25

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
<b>Generally able to grow indoors*</b>										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				1	53	█			100
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Other brown	█				1	13	█			105
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
<b>Seldom found growing indoors**</b>										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
<b>Total</b>						<b>67</b>	<b>Final MoldSCORE 105</b>			







## Request For Analysis

Project Number/~~Purchase Order~~: 21309001-1 Date Submitted: 09/10/13

Project Contact: LaSanthun/K.H.S.I Turnaround Required: Normal

Lab Destination: EM LAB PRK Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
21309001-1 TM08out	75L	Argo-cell	Spore Trap Analysis ↓ ↓ ↓
21309001-1 TM09	75L	Argo-cell	
21309001-1 TM10	75L	Argo-cell	
21309001-1 TM11	75L	Argo-cell	
21309001-1 TM12	75L	Argo-cell	
21309001-1 TM13	75L	Argo-cell	

Special Instructions: <sup>(1-3)</sup> Random sampling (R-2)

1. Sampled by: LaSanthun on 9/10/13 @ 10:26 Received by: [Signature] 9/10/13 @ 1320
  2. Relinquished by: LaSanthun on 9/10/13 @ 12:00 Received by: \_\_\_\_\_
  3. Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_
- Please include signature, date, and time

Lab Use Only:





# HYGIENE TECH

Hygiene Technologies International, Inc.



001119221

3020 West Imperial Avenue, Suite 180  
Torrance, California 90503-1643  
(310) 370-8370  
(310) 370-2474 FAX  
www.hygienetech.com

## Request For Analysis

Project Number/Purchase Order: 21309001-1 Date Submitted: 9/25/13  
 Project Contact: L. Sandhu / K. Shi Turnaround Required: Normal  
 Lab Destination: EM LAB P&K Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
21309001-1 TM2006	75L	Airco-cell	Spore Trap Analysis
21309001-1 TM21	75L	Airco-cell	
21309001-1 TM22	75L	Airco-cell	
21309001-1 TM23	75L	Airco-cell	
21309001-1 TM24	75L	Airco-cell	
21309001-1 TM25	75L	Airco-cell	
21309001-1 TM26	75L	Airco-cell	

Special Instructions: <sup>I-note</sup> Random Sampling (R-4)

1. Sampled by: Sandhu on 9/25/13 @ 1412 Received by: [Signature] 9/26/13 @ 1420  
 2. Relinquished by: Sandhu on 9/25/13 @ 1400 Received by: \_\_\_\_\_  
 3. Relinquished by: \_\_\_\_\_ Received by: \_\_\_\_\_  
 Please include signature, date, and time

Lab Use Only: