



HYGIENETECH

Hygiene Technologies International, Inc.

3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8370
(310) 370-7026 FAX
www.hygienetech.com

April 2, 2013

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

Document No. 21302001.1

Attention: David Gau

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

Dear Mr. Gau:

On February 5, 11, 20, and 26, 2013, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted limited fungal growth exposure assessment surveys involving twenty two 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 21302001-1, the airborne spore count data recorded showed fungal spore types outdoors such as *Alternaria*, ascospores, basidiospores, *Cladosporium*, colorless spores typical of *Penicillium/Aspergillus* species, *Epicoccum*, *Nigrospora*, *Oidium*, rusts, smuts, *Stemphylium*, and/or *Ulocladium*. 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 basidiospores, *Cladosporium*, colorless spores typical of *Penicillium/Aspergillus* species, rusts, and/or smuts. 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

Mr. David Gau
April 2, 2013
Document No. 21302001.1 – February 2013 Random Sampling
Page 2



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 Hsi', is written over a solid 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 21302001-1
AIRBORNE TOTAL FUNGI RESULTS
450 N STREET
SACRAMENTO, CALIFORNIA
FEBRUARY 5, 11, 20, AND 26, 2013

Page 1

Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	21302001-1 TM01OUT	21302001-1 TM02	21302001-1 TM03	21302001-1 TM04
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 15 feet east of building; approximately five feet above ground/Normal outdoor activities	6 th Floor; Copy Room 620; approximately five feet above floor/Normal office activities	9 th Floor; Column K20; Cubicle 25; about center; approximately five feet above floor/Normal office activities	10 th Floor; Break Room 1009; about center; approximately five feet above floor/Normal office activities
DATE	02/05/13	02/05/13	02/05/13	02/05/13
START/STOP	13:56:00/14:01:00	14:08:00/14:13:00	14:15:00/14:20:00	14:23:00/14:28:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	13			
Ascospores	320			
Basidiospores	1,300	53		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	3,400			
Curvularia				
Epicoccum				
Fusarium				
Nigrospora				
Oidium	13			
Other brown				
Other colorless				
Penicillium/Aspergillus types	370			
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Stemphylium	53			
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background debris*	1+	1+	1+	1+
TOTAL**	5,500	53	<13	<13

*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 21302001-1
AIRBORNE TOTAL FUNGI RESULTS
450 N STREET
SACRAMENTO, CALIFORNIA
FEBRUARY 5, 11, 20, AND 26, 2013**

Page 2

Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	21302001-1 TM05	21302001-1 TM06	21302001-1 TM07	21302001-1 TM08OUT
SAMPLING LOCATION/ACTIVITIES	16 th Floor; Conference Room 1618; about five northwest of entry door; approximately five feet above floor/Normal office activities	19 th Floor; Elevator Lobby; about center approximately five feet above floor/Normal office activities	18 th Floor; northern hallway; about three feet north of northwestern drinking fountain; approximately five feet above floor/Normal office activities	Outdoors; about 10 feet south of building; approximately five feet above ground/Normal outdoor activities
DATE	02/05/13	02/05/13	02/05/13	02/11/13
START/STOP	14:38:00/14:43:00	14:45:00/14:50:00	14:53:00/14:58:00	15:41:00/15:46:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				27
Ascospores				53
Basidiospores		53		430
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		53	53	4,400
Curvularia				
Epicoccum				53
Fusarium				
Nigrospora				
Oidium				40
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts			13	270
Smuts (Periconia, Myxomycetes)				690
Stachybotrys				
Stemphylium				
Torula				
Trichocladium				
Ulocladium				13
Hyphal fragments	<13	<13	13	27
Background debris*	1+	2+	2+	2+
TOTAL **	<13	110	67	5,900

*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
FEBRUARY 5, 11, 20, AND 26, 2013

Page 3

Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	21302001-1 TM09	21302001-1 TM10	21302001-1 TM11	21302001-1 TM12
SAMPLING LOCATION/ACTIVITIES	1 st Floor; Mail Room 143; northern portion; about 30 feet east of western perimeter wall and about 10 feet south of northern partition wall; approximately five feet above floor/Normal office activities	5 th Floor; southeast stairwell area; approximately five feet above floor/Sampling activities only	8 th Floor; Break Room 808; about center; approximately five feet above floor/Normal office activities	14 th Floor; about five feet south of freight elevator; approximately five feet above floor/Normal office activities
DATE	02/11/13	02/11/13	02/11/13	02/11/13
START/STOP	15:51:00/15:56:00	16:00:00/16:05:00	16:07:00/16:12:00	16:15:00/16:20:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53		53	
Curvularia				
Epicoccum				
Fusarium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	13	<13	<13	<13
Background debris*	1+	1+	1+	2+
TOTAL **	53	<13	53	<13

*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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FEBRUARY 5, 11, 20, AND 26, 2013**

Page 4

Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	21302001-1 TM13	21302001-1 TM14	21302001-1 TM15OUT	21302001-1 TM16
SAMPLING LOCATION/ACTIVITIES	20 th Floor; Column L22 area; about seven feet southwest of Column L22; approximately five feet above floor/Normal office activities	21 st Floor; northwest stairwell area; about center; approximately five feet above floor/Sampling activities only	Outdoors; about 10 feet east of the building; approximately five feet above ground/Normal outdoor activities	3 rd Floor; Break Room 320; about center; approximately five feet above floor/Normal office activities
DATE	02/11/13	02/11/13	02/20/13	02/20/13
START/STOP	16:23:00/16:28:00	16:36:00/16:41:00	10:18:00/10:23:00	10:31:00/10:36:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria			13	
Arthrinium				
Ascospores			210	
Basidiospores			270	
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			270	
Curvularia				
Epicoccum			13	
Fusarium				
Myrothecium				
Other brown				
Penicillium/Aspergillus types			160	
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)			40	
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Hyphal fragments	13	<13	27	<13
Background debris*	1+	2+	2+	1+
TOTAL**	<13	<13	970	<13

*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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450 N STREET
SACRAMENTO, CALIFORNIA
FEBRUARY 5, 11, 20, AND 26, 2013

Page 5

Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	21302001-1 TM17	21302001-1 TM18	21302001-1 TM19	21302001-1 TM20
SAMPLING LOCATION/ACTIVITIES	7 th Floor; area between Column K22 & L22; Cubicle 81; about center; approximately five feet above floor/Normal office activities	15 th Floor; Elevator Lobby; about center; approximately five feet above floor/Normal office activities	17 th Floor; Column L22 area; about center Cubicle 62; approximately five feet above floor/Normal office activities	24 th Floor; Room 2431; about center; approximately five feet above floor/Normal office activities
DATE	02/20/13	02/20/13	02/20/13	02/20/13
START/STOP	10:40:00/10:45:00	10:50:00/10:55:00	10:58:00/11:03:00	11:06:00/11:11:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria		13		
Arthrinium				
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53			
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				53
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Zygomycetes				
Hyphal fragments	<13	13	<13	<13
Background debris*	1+	2+	1+	1+
TOTAL**	53	13	<13	53

*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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450 N STREET
SACRAMENTO, CALIFORNIA
FEBRUARY 5, 11, 20, AND 26, 2013**

Page 6

Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	21302001-1 TM21OUT	21302001-1 TM22	21302001-1 TM23	21302001-1 TM24
SAMPLING LOCATION/ACTIVITIES	Outdoors; southeast corner of the building; approximately five feet above ground/Normal outdoor activities	2 nd Floor; Column N19 area; about 15 feet south of Column N19; approximately five feet above floor/Normal office activities	4 th Floor; Column N22 area; about 15 feet southeast of Column N22; approximately five feet above floor/Normal office activities	11 th Floor; High-Rise Elevator Lobby; about center; approximately five feet above floor/Normal office activities
DATE	02/26/13	02/26/13	02/26/13	02/26/13
START/STOP	10:09:00/10:14:00	10:21:00/10:26:00	10:29:00/10:34:00	10:38:00/10:43:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	40			
Arthrinium				
Ascospores	210			
Basidiospores	270			
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	370	53		
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora	13			
Oidium				
Other brown				
Penicillium/Aspergillus types	320			430
Pithomyces				
Rusts	13		27	27
Smuts (Periconia, Myxomycetes)	80		13	13
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	290	<13	<13	<13
Background debris*	2+	2+	1+	2+
TOTAL**	1,300	53	40	470

*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
FEBRUARY 5, 11, 20, AND 26, 2013

Page 7

Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	21302001-1 TM25	21302001-1 TM26		
SAMPLING LOCATION/ACTIVITIES	22 nd Floor; Room 2203; about center; approximately five feet above floor/Normal office activities	23 rd Floor; Break Room 2302; about center; approximately five feet above floor/Normal office activities	This column intentionally left blank.	This column intentionally left blank.
DATE	02/26/13	02/26/13		
START/STOP	10:47:00/10:52:00	10:54:00/10:59:00		
SAMPLE TIME	5 minutes	5 minutes		
Alternaria				
Arthrinium				
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Zygomycetes				
Hyphal fragments	1+	1+		
Background debris*	<13	<13		
TOTAL **	<13	<13		

*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.



Report for:

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

Regarding: Project: 21302001-1
EML ID: 1024523

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 02-08-2013

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

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: 21302001-1

Date of Sampling: 02-07-2013
 Date of Receipt: 02-07-2013
 Date of Report: 02-08-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21302001-1-TM01OUT		21302001-1-TM02		21302001-1-TM03		21302001-1-TM04	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	4589083-1		4589084-1		4589085-1		4589086-1	
Analysis Date:	02/08/2013		02/08/2013		02/08/2013		02/08/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13						
Ascospores	6	320						
Basidiospores	24	1,300	1	53				
Chaetomium								
Cladosporium	64	3,400						
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium	1	13						
Other colorless								
Penicillium/Aspergillus types†	7	370						
Pithomyces								
Rusts								
Smuts, Periconia, Myxomycetes								
Stachybotrys								
Stemphylium	4	53						
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	1+		1+		1+		1+	
Hyphal fragments/m3	< 13		< 13		< 13		< 13	
Pollen/m3	53		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		< 1+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		5,500		53		< 13		< 13

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: 21302001-1

Date of Sampling: 02-07-2013
Date of Receipt: 02-07-2013
Date of Report: 02-08-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21302001-1-TM05		21302001-1-TM06		21302001-1-TM07	
Comments (see below)	None		None		None	
Lab ID-Version‡:	4589087-1		4589088-1		4589089-1	
Analysis Date:	02/08/2013		02/08/2013		02/08/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Ascospores						
Basidiospores			1	53		
Chaetomium						
Cladosporium			1	53	1	53
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts					1	13
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+		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	
§ TOTAL SPORES/m3		< 13		110		67

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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C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21302001-1

Date of Sampling: 02-07-2013
Date of Receipt: 02-07-2013
Date of Report: 02-08-2013

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 21302001-1-TM01OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: February in California (n‡=15213)†						Typical Outdoor Data for: The entire year in California (n‡=187082)†					
		very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	13	13	13	20	40	67	39	13	13	27	67	110	55
Bipolaris/Drechslera group	-	7	13	13	27	40	7	7	13	13	27	40	12
Chaetomium	-	7	13	13	27	40	9	8	13	13	27	47	19
Cladosporium	3,400	80	160	400	1,100	1,800	95	110	210	640	1,700	2,800	97
Curvularia	-	7	10	13	13	27	2	7	13	13	27	53	6
Nigrospora	-	7	13	13	13	27	4	7	13	13	27	53	8
Penicillium/Aspergillus types	370	53	60	190	480	800	82	53	100	210	590	1,000	85
Stachybotrys	-	13	13	13	40	80	3	7	13	13	33	67	4
Stemphylium	53	7	13	13	27	40	5	7	13	13	27	40	9
Torula	-	7	13	13	40	53	5	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	320	27	53	160	530	960	73	25	53	110	360	690	71
Basidiospores	1,300	53	110	430	1,900	4,100	95	53	80	270	1,000	2,400	93
Oidium	13	13	13	13	40	67	14	13	13	13	40	75	19
Rusts	-	8	13	13	40	73	14	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	-	13	13	27	67	110	54	13	13	40	110	210	68
§ TOTAL SPORES/m3	5,500												

†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: 21302001-1

Date of Sampling: 02-07-2013
 Date of Receipt: 02-07-2013
 Date of Report: 02-08-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21302001-1-TM01OUT:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Alternaria				13	7 - 33 - 570	46
Ascospores				320	13 - 190 - 5,400	77
Basidiospores				1,300	13 - 430 - 22,000	92
Cladosporium				3,400	27 - 480 - 10,000	91
Oidium				13	7 - 13 - 230	12
Penicillium/Aspergillus types				370	13 - 160 - 2,700	69
Smuts, Periconia, Myxomycetes				< 13	7 - 47 - 970	64
Stemphylium				53	7 - 13 - 80	3
Total				5,500		

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: 21302001-1-TM02

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 5 Result: 4.1429 Critical value: 11.0705 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.5714 Critical value: 0.6786 Outside Similar: No	Score: 104 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Basidiospores				53
	Total				53

Location: 21302001-1-TM03

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 5 Result: 4.1429 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	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	None Detected				< 13

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21302001-1

Date of Sampling: 02-07-2013
 Date of Receipt: 02-07-2013
 Date of Report: 02-08-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21302001-1-TM04

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 5 Result: 4.1429 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
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
None Detected		< 13		

Location: 21302001-1-TM05

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 5 Result: 4.1429 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
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
None Detected		< 13		

Location: 21302001-1-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: 4.1429 Critical value: 11.0705 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.8214 Critical value: 0.6786 Outside Similar: Yes	Score: 103 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
Basidiospores		53		
Cladosporium		53		
Total		110		

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21302001-1

Date of Sampling: 02-07-2013
 Date of Receipt: 02-07-2013
 Date of Report: 02-08-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21302001-1-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: 4.1429 Critical value: 11.0705 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.2976 Critical value: 0.6190 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Rusts					13
Total					67

* 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: 21302001-1

Date of Sampling: 02-07-2013
 Date of Receipt: 02-07-2013
 Date of Report: 02-08-2013

MoldSCORE™: Spore Trap Report

Location: 21302001-1-TM03

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
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
Seldom found growing indoors**										
Ascospores					ND	< 13				100
Basidiospores					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes					ND	< 13				100
Total						N/A				Final MoldSCORE 100

Location: 21302001-1-TM04

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
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
Seldom found growing indoors**										
Ascospores					ND	< 13				100
Basidiospores					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes					ND	< 13				100
Total						N/A				Final MoldSCORE 100

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21302001-1

Date of Sampling: 02-07-2013
 Date of Receipt: 02-07-2013
 Date of Report: 02-08-2013

MoldSCORE™: Spore Trap Report

Location: 21302001-1-TM05

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
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
Seldom found growing indoors**										
Ascospores					ND	< 13				100
Basidiospores					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes					ND	< 13				100
Total						N/A				Final MoldSCORE 100

Location: 21302001-1-TM06

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
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
Seldom found growing indoors**										
Ascospores					ND	< 13				100
Basidiospores					1	53				103
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes					ND	< 13				100
Total						107				Final MoldSCORE 103

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21302001-1

Date of Sampling: 02-07-2013
 Date of Receipt: 02-07-2013
 Date of Report: 02-08-2013

MoldSCORE™: Spore Trap Report

Location: 21302001-1-TM07

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
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
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts	█				1	13	█			105
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
Total						67	Final MoldSCORE 101			

*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

Regarding: Project: 21302001-1
EML ID: 1026370

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 02-14-2013

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

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: 21302001-1

Date of Sampling: 02-11-2013
 Date of Receipt: 02-13-2013
 Date of Report: 02-14-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21302001-1 TM-08OUT		21302001-1 TM-09		21302001-1 TM-10		21302001-1 TM-11	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	4598908-1		4598909-1		4598910-1		4598911-1	
Analysis Date:	02/14/2013		02/14/2013		02/14/2013		02/14/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	2	27						
Ascospores	1	53						
Basidiospores	8	430						
Chaetomium								
Cladosporium	82	4,400	1	53			1	53
Curvularia								
Epicoccum	4	53						
Fusarium								
Myrothecium								
Nigrospora								
Oidium	3	40						
Other colorless								
Penicillium/Aspergillus types†								
Pithomyces								
Rusts	20	270						
Smuts, Periconia, Myxomycetes	52	690						
Stachybotrys								
Stemphylium								
Torula								
Ulocladium	1	13						
Zygomycetes								
Background debris (1-4+)††	2+		1+		1+		1+	
Hyphal fragments/m3	27		13		< 13		< 13	
Pollen/m3	80		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		5,900		53		< 13		53

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: 21302001-1

Date of Sampling: 02-11-2013
 Date of Receipt: 02-13-2013
 Date of Report: 02-14-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21302001-1 TM-12		21302001-1 TM-13		21302001-1 TM-14	
Comments (see below)	None		None		None	
Lab ID-Version‡:	4598912-1		4598913-1		4598914-1	
Analysis Date:	02/14/2013		02/14/2013		02/14/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Ascospores						
Basidiospores						
Chaetomium						
Cladosporium						
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
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	
§ TOTAL SPORES/m3		< 13		< 13		< 13

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: 21302001-1

Date of Sampling: 02-11-2013
Date of Receipt: 02-13-2013
Date of Report: 02-14-2013

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 21302001-1 TM-08OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for:						Typical Outdoor Data for:					
		February in California (n‡=15213)†						The entire year in California (n‡=188141)†					
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	27	13	13	20	40	67	39	13	13	27	67	110	54
Bipolaris/Drechslera group	-	7	13	13	27	40	7	7	13	13	27	40	12
Chaetomium	-	7	13	13	27	40	9	8	13	13	27	47	19
Cladosporium	4,400	80	160	400	1,100	1,800	95	110	210	630	1,700	2,800	97
Curvularia	-	7	10	13	13	27	2	7	13	13	27	53	6
Epicoccum	53	7	13	13	27	53	13	8	13	13	33	53	19
Nigrospora	-	7	13	13	13	27	4	7	13	13	27	53	8
Penicillium/Aspergillus types	-	53	60	190	480	800	82	53	100	210	590	1,000	85
Stachybotrys	-	13	13	13	40	80	3	7	13	13	33	67	4
Torula	-	7	13	13	40	53	5	8	13	13	40	67	12
Ulocladium	13	7	13	13	27	40	6	8	13	13	27	40	10
Seldom found growing indoors**													
Ascospores	53	27	53	160	530	960	73	25	53	110	360	690	71
Basidiospores	430	53	110	430	1,900	4,100	95	53	80	270	1,000	2,400	93
Oidium	40	13	13	13	40	67	14	13	13	13	40	75	19
Rusts	270	8	13	13	40	73	14	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	690	13	13	27	67	110	54	13	13	40	110	200	68
§ TOTAL SPORES/m3	5,900												

†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: 21302001-1

Date of Sampling: 02-11-2013
 Date of Receipt: 02-13-2013
 Date of Report: 02-14-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21302001-1 TM-08OUT:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Alternaria				27	7 - 33 - 570	46
Ascospores				53	13 - 190 - 5,400	77
Basidiospores				430	13 - 430 - 22,000	92
Cladosporium				4,400	27 - 480 - 10,000	91
Epicoccum				53	7 - 20 - 330	25
Oidium				40	7 - 13 - 230	12
Penicillium/Aspergillus types				< 13	13 - 160 - 2,700	69
Rusts				270	7 - 20 - 350	20
Smuts, Periconia, Myxomycetes				690	7 - 47 - 970	64
Ulocladium				13	7 - 13 - 93	4
Total				5,900		

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: 21302001-1 TM-09

% 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: 3.4286 Critical value: 11.0705 Inside Similar: Yes	Result: 0.2000	dF: 9 Result: 0.6542 Critical value: 0.5833 Outside Similar: Yes	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Cladosporium				53
	Total				53

Location: 21302001-1 TM-10

% 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: 3.4286 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	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	None Detected				< 13

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21302001-1

Date of Sampling: 02-11-2013
 Date of Receipt: 02-13-2013
 Date of Report: 02-14-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21302001-1 TM-14

% 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: 3.4286 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
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
None Detected				< 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: 21302001-1

Date of Sampling: 02-11-2013
 Date of Receipt: 02-13-2013
 Date of Report: 02-14-2013

MoldSCORE™: Spore Trap Report

Outdoor Sample: 21302001-1 TM-08OUT

Fungi Identified	Outdoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
Generally able to grow indoors*						
Alternaria					2	27
Bipolaris/Drechslera group					ND	< 13
Chaetomium					ND	< 13
Cladosporium					82	4,400
Curvularia					ND	< 13
Epicoccum					4	53
Nigrospora					ND	< 13
Penicillium/Aspergillus types†					ND	< 13
Stachybotrys					ND	< 13
Torula					ND	< 13
Ulocladium					1	13
Seldom found growing indoors**						
Ascospores					1	53
Basidiospores					8	430
Oidium					3	40
Rusts					20	270
Smuts, Periconia, Myxomycetes					52	690
Total						5,947

Location: 21302001-1 TM-09

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
Generally able to grow indoors*						
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
Seldom found growing indoors**						
Ascospores					ND	< 13
Basidiospores					ND	< 13
Rusts					ND	< 13
Smuts, Periconia, Myxomycetes					ND	< 13
Total						53

MoldSCORE‡			Score
100	200	300	
			100
			100
			100
			101
			100
			100
			100
			100
			100
			100
			100
			100
			100
Final MoldSCORE			101

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21302001-1

Date of Sampling: 02-11-2013
 Date of Receipt: 02-13-2013
 Date of Report: 02-14-2013

MoldSCORE™: Spore Trap Report

Location: 21302001-1 TM-10

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
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
Seldom found growing indoors**										
Ascospores					ND	< 13				100
Basidiospores					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes					ND	< 13				100
Total						N/A				Final MoldSCORE 100

Location: 21302001-1 TM-11

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
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
Seldom found growing indoors**										
Ascospores					ND	< 13				100
Basidiospores					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes					ND	< 13				100
Total						53				Final MoldSCORE 101

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21302001-1

Date of Sampling: 02-11-2013
 Date of Receipt: 02-13-2013
 Date of Report: 02-14-2013

MoldSCORE™: Spore Trap Report

Location: 21302001-1 TM-12

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
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
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
Total						N/A				Final MoldSCORE 100

Location: 21302001-1 TM-13

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
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
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
Total						N/A				Final MoldSCORE 100

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21302001-1

Date of Sampling: 02-11-2013
 Date of Receipt: 02-13-2013
 Date of Report: 02-14-2013

MoldSCORE™: Spore Trap Report

Location: 21302001-1 TM-14

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
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
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
Total						N/A				Final MoldSCORE 100

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

Regarding: Project: 21302001-1
EML ID: 1029366

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 02-21-2013

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

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. Larry Sandhu
Re: 21302001-1Date of Sampling: 02-20-2013
Date of Receipt: 02-20-2013
Date of Report: 02-21-2013**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	21302001-1 TM15OUT		21302001-1 TM16		21302001-1 TM17	
Comments (see below)	None		None		None	
Lab ID-Version‡:	4614447-1		4614448-1		4614449-1	
Analysis Date:	02/21/2013		02/21/2013		02/21/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13				
Ascospores	4	210				
Basidiospores	5	270				
Botrytis						
Chaetomium						
Cladosporium	5	270			1	53
Curvularia						
Epicoccum	1	13				
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†	3	160				
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes	3	40				
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		1+		1+	
Hyphal fragments/m3	27		< 13		< 13	
Pollen/m3	13		< 13		< 13	
Skin cells (1-4+)	1+		< 1+		< 1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		970		< 13		53

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. Larry Sandhu
 Re: 21302001-1

Date of Sampling: 02-20-2013
 Date of Receipt: 02-20-2013
 Date of Report: 02-21-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21302001-1 TM18		21302001-1 TM19		21302001-1 TM20	
Comments (see below)	None		None		None	
Lab ID-Version‡:	4614450-1		4614451-1		4614452-1	
Analysis Date:	02/21/2013		02/21/2013		02/21/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13				
Ascospores						
Basidiospores						
Botrytis						
Chaetomium						
Cladosporium						
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†					1	53
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		1+		1+	
Hyphal fragments/m3	13		< 13		< 13	
Pollen/m3	13		< 13		13	
Skin cells (1-4+)	1+		< 1+		< 1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		13		< 13		53

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. Larry Sandhu
 Re: 21302001-1

Date of Sampling: 02-20-2013
 Date of Receipt: 02-20-2013
 Date of Report: 02-21-2013

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 21302001-1 TM15OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: February in California (n‡=15213)†						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 %
Generally able to grow indoors*													
Alternaria	13	13	13	20	40	67	39	13	13	27	67	110	54
Bipolaris/Drechslera group	-	7	13	13	27	40	7	7	13	13	27	40	12
Chaetomium	-	7	13	13	27	40	9	8	13	13	27	47	19
Cladosporium	270	80	160	400	1,100	1,800	95	110	210	630	1,700	2,800	97
Curvularia	-	7	10	13	13	27	2	7	13	13	27	53	6
Epicoccum	13	7	13	13	27	53	13	8	13	13	33	53	19
Nigrospora	-	7	13	13	13	27	4	7	13	13	27	53	8
Penicillium/Aspergillus types	160	53	60	190	480	800	82	53	100	210	590	1,000	85
Stachybotrys	-	13	13	13	40	80	3	7	13	13	33	67	4
Torula	-	7	13	13	40	53	5	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	210	27	53	160	530	960	73	25	53	110	360	690	71
Basidiospores	270	53	110	430	1,900	4,100	95	53	80	270	1,000	2,400	93
Rusts	-	8	13	13	40	73	14	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	40	13	13	27	67	110	54	13	13	40	110	200	68
§ TOTAL SPORES/m3	970												

†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. Larry Sandhu
 Re: 21302001-1

Date of Sampling: 02-20-2013
 Date of Receipt: 02-20-2013
 Date of Report: 02-21-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21302001-1 TM15OUT:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Alternaria				13	7 - 33 - 570	46
Ascospores				210	13 - 190 - 5,400	77
Basidiospores				270	13 - 430 - 22,000	92
Cladosporium				270	27 - 480 - 10,000	91
Epicoccum				13	7 - 20 - 330	25
Penicillium/Aspergillus types				160	13 - 160 - 2,700	69
Smuts, Periconia, Myxomycetes				40	7 - 47 - 970	64
Total				970		

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: 21302001-1 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: 1.0000 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		
None Detected		<100	1K	10K
				>100K
				< 13

Location: 21302001-1 TM17

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 5%	dF: 4 Result: 1.0000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.6429 Critical value: 0.6786 Outside Similar: No	Score: 103 Result: Low
Species Detected		Spores/m3		
Cladosporium		<100	1K	10K
				>100K
				53
Total				53

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Larry Sandhu
 Re: 21302001-1

Date of Sampling: 02-20-2013
 Date of Receipt: 02-20-2013
 Date of Report: 02-21-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21302001-1 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: 1.0000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.0179 Critical value: 0.6786 Outside Similar: No	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Total					13

Location: 21302001-1 TM19

% 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: 1.0000 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
None Detected					< 13

Location: 21302001-1 TM20

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 5%	dF: 4 Result: 1.0000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.3304 Critical value: 0.6786 Outside Similar: No	Score: 108 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Total					53

* 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.

Client: Hygiene Technologies International, Inc.
C/O: Mr. Larry Sandhu
Re: 21302001-1

Date of Sampling: 02-20-2013
Date of Receipt: 02-20-2013
Date of Report: 02-21-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

** 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.

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Client: Hygiene Technologies International, Inc.
 C/O: Mr. Larry Sandhu
 Re: 21302001-1

Date of Sampling: 02-20-2013
 Date of Receipt: 02-20-2013
 Date of Report: 02-21-2013

MoldSCORE™: Spore Trap Report

Location: 21302001-1 TM17

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
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
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
Total						53				
							Final MoldSCORE			103

Location: 21302001-1 TM18

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria	█				1	13	█			105
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
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
Total						13				
							Final MoldSCORE			105

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Larry Sandhu
 Re: 21302001-1

Date of Sampling: 02-20-2013
 Date of Receipt: 02-20-2013
 Date of Report: 02-21-2013

MoldSCORE™: Spore Trap Report

Location: 21302001-1 TM19

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
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
Seldom found growing indoors**										
Ascospores					ND	< 13				100
Basidiospores					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes					ND	< 13				100
Total						N/A				Final MoldSCORE 100

Location: 21302001-1 TM20

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
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†					1	53				108
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores					ND	< 13				100
Basidiospores					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes					ND	< 13				100
Total						53				Final MoldSCORE 108

Client: Hygiene Technologies International, Inc.
C/O: Mr. Larry Sandhu
Re: 21302001-1

Date of Sampling: 02-20-2013
Date of Receipt: 02-20-2013
Date of Report: 02-21-2013

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

Regarding: Project: 21302001-1; Random sampling (R-4)
EML ID: 1031617

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 02-27-2013

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

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: 21302001-1; Random sampling (R-4)

Date of Sampling: 02-26-2013
Date of Receipt: 02-26-2013
Date of Report: 02-27-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21302001-1 TM21OUT		21302001-1 TM22		21302001-1 TM23	
Comments (see below)	None		None		None	
Lab ID-Version‡:	4624428-1		4624429-1		4624430-1	
Analysis Date:	02/27/2013		02/27/2013		02/27/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	3	40				
Ascospores	4	210				
Basidiospores	5	270				
Botrytis						
Chaetomium						
Cladosporium	7	370	1	53		
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora	1	13				
Other colorless						
Penicillium/Aspergillus types†	6	320				
Pithomyces						
Rusts	1	13			2	27
Smuts, Periconia, Myxomycetes	6	80			1	13
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		1+	
Hyphal fragments/m3	290		< 13		< 13	
Pollen/m3	110		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		1,300		53		40

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: 21302001-1; Random sampling (R-4)

Date of Sampling: 02-26-2013
 Date of Receipt: 02-26-2013
 Date of Report: 02-27-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21302001-1 TM24		21302001-1 TM25		21302001-1 TM26	
Comments (see below)	None		None		None	
Lab ID-Version‡:	4624431-1		4624432-1		4624433-1	
Analysis Date:	02/27/2013		02/27/2013		02/27/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Ascospores						
Basidiospores						
Botrytis						
Chaetomium						
Cladosporium						
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†	8	430				
Pithomyces						
Rusts	2	27				
Smuts, Periconia, Myxomycetes	1	13				
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		1+		1+	
Hyphal fragments/m3	< 13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		470		< 13		< 13

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: 21302001-1; Random sampling (R-4)

Date of Sampling: 02-26-2013
 Date of Receipt: 02-26-2013
 Date of Report: 02-27-2013

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 21302001-1 TM21OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: February in California (n‡=15213)†						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 %
Generally able to grow indoors*													
Alternaria	40	13	13	20	40	67	39	13	13	27	67	110	54
Bipolaris/Drechslera group	-	7	13	13	27	40	7	7	13	13	27	40	12
Chaetomium	-	7	13	13	27	40	9	8	13	13	27	47	19
Cladosporium	370	80	160	400	1,100	1,800	95	110	210	630	1,700	2,800	97
Curvularia	-	7	10	13	13	27	2	7	13	13	27	53	6
Nigrospora	13	7	13	13	13	27	4	7	13	13	27	53	8
Penicillium/Aspergillus types	320	53	60	190	480	800	82	53	100	210	590	1,000	85
Stachybotrys	-	13	13	13	40	80	3	7	13	13	33	67	4
Torula	-	7	13	13	40	53	5	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	210	27	53	160	530	960	73	25	53	110	360	690	71
Basidiospores	270	53	110	430	1,900	4,100	95	53	80	270	1,000	2,400	93
Rusts	13	8	13	13	40	73	14	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	80	13	13	27	67	110	54	13	13	40	110	200	68
§ TOTAL SPORES/m3	1,300												

†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.

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Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21302001-1; Random sampling (R-4)

Date of Sampling: 02-26-2013
 Date of Receipt: 02-26-2013
 Date of Report: 02-27-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21302001-1 TM21OUT:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Alternaria					7 - 33 - 570	46
Ascospores					13 - 190 - 5,400	77
Basidiospores					13 - 430 - 22,000	92
Cladosporium					27 - 480 - 10,000	91
Nigrospora					7 - 13 - 230	16
Penicillium/Aspergillus types					13 - 160 - 2,700	69
Rusts					7 - 20 - 350	20
Smuts, Periconia, Myxomycetes					7 - 47 - 970	64
Total						

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: 21302001-1 TM22

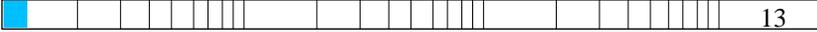
% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 4%	dF: 4 Result: 4.2500 Critical value: 9.4877 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.6726 Critical value: 0.6190 Outside Similar: Yes	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Cladosporium				
	Total				

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21302001-1; Random sampling (R-4)

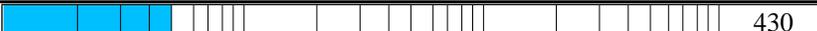
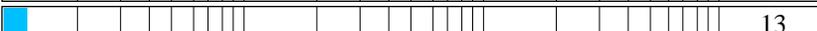
Date of Sampling: 02-26-2013
 Date of Receipt: 02-26-2013
 Date of Report: 02-27-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21302001-1 TM23

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 3%	dF: 4 Result: 4.2500 Critical value: 9.4877 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: -0.1488 Critical value: 0.6190 Outside Similar: No	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Rusts					27
Smuts, Periconia, Myxomycetes					13
Total					40

Location: 21302001-1 TM24

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 35%	dF: 4 Result: 4.2500 Critical value: 9.4877 Inside Similar: Yes	Result: 0.5455	dF: 8 Result: 0.1012 Critical value: 0.6190 Outside Similar: No	Score: 155 Result: Medium	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					430
Rusts					27
Smuts, Periconia, Myxomycetes					13
Total					470

Location: 21302001-1 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: 4 Result: 4.2500 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
None Detected					< 13

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21302001-1; Random sampling (R-4)

Date of Sampling: 02-26-2013
 Date of Receipt: 02-26-2013
 Date of Report: 02-27-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21302001-1 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: 4 Result: 4.2500 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
None Detected				< 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: 21302001-1; Random sampling (R-4)

Date of Sampling: 02-26-2013
 Date of Receipt: 02-26-2013
 Date of Report: 02-27-2013

MoldSCORE™: Spore Trap Report

Outdoor Sample: 21302001-1 TM21OUT

Fungi Identified	Outdoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
Generally able to grow indoors*						
Alternaria					3	40
Bipolaris/Drechslera group					ND	< 13
Chaetomium					ND	< 13
Cladosporium					7	370
Curvularia					ND	< 13
Nigrospora					1	13
Penicillium/Aspergillus types†					6	320
Stachybotrys					ND	< 13
Torula					ND	< 13
Seldom found growing indoors**						
Ascospores					4	210
Basidiospores					5	270
Rusts					1	13
Smuts, Periconia, Myxomycetes					6	80
Total						1,320

Location: 21302001-1 TM22

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
Generally able to grow indoors*						
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
Seldom found growing indoors**						
Ascospores					ND	< 13
Basidiospores					ND	< 13
Rusts					ND	< 13
Smuts, Periconia, Myxomycetes					ND	< 13
Total						53

MoldSCORE‡			
100	200	300	Score
			100
			100
			100
			103
			100
			100
			100
			100
			100
			100
			100
			100
			100
Final MoldSCORE			103

Client: Hygiene Technologies International, Inc.
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 Re: 21302001-1; Random sampling (R-4)

Date of Sampling: 02-26-2013
 Date of Receipt: 02-26-2013
 Date of Report: 02-27-2013

MoldSCORE™: Spore Trap Report

Location: 21302001-1 TM23

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
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
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts	█				2	27	█			111
Smuts, Periconia, Myxomycetes	█				1	13	█			102
Total						40				
							Final MoldSCORE			102

Location: 21302001-1 TM24

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
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†	█	█	█		8	430	█	█	█	155
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts	█				2	27	█			110
Smuts, Periconia, Myxomycetes	█				1	13	█			100
Total						467				
							Final MoldSCORE			155

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21302001-1; Random sampling (R-4)

Date of Sampling: 02-26-2013
 Date of Receipt: 02-26-2013
 Date of Report: 02-27-2013

MoldSCORE™: Spore Trap Report

Location: 21302001-1 TM25

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
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
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
Total						N/A				Final MoldSCORE 100

Location: 21302001-1 TM26

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
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
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
Total						N/A				Final MoldSCORE 100

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
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Date of Sampling: 02-26-2013
Date of Receipt: 02-26-2013
Date of Report: 02-27-2013

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.



HYGIENE

Hygiene Technologies International, Inc.

3625 De
Torrance



001026370

US: (813) 370-8370
US: (813) 370-2474 FAX
www.hygieneintl.com

Request For Analysis

Project Number/Purchase Order: 21302001-1 Date Submitted: 2/11/13

Project Contact: L. Sanchez / K-h Si Turnaround Required: Normal

Lab Destination: BMLAB Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
21302001-1 TM08	75L	AISO-cell	Sp100 Temp Analysis
21302001-1 TM09	↓	↓	↓
21302001-1 TM10	↓	↓	↓
21302001-1 TM11	↓	↓	↓
21302001-1 TM12	↓	↓	↓
21302001-1 TM13	↓	↓	↓
21302001-1 TM14	↓	↓	↓

Special Instructions: Random Sampling (R-2)

1. Sampled by: L. Sanchez on 2/11/13 @ 1541 Received by: [Signature] 2/13/13 @ 0945

2. Relinquished by: L. Sanchez on 2/11/13 @ 1715 Received by: _____

3. Relinquished by: _____ Received by: _____

Please include signature, date, and time

Lab Use Only:

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Brussels • Vienna • Abuja • Mumbai • Beijing

