



HYGIENETECH

Hygiene Technologies International, Inc.

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July 3, 2015

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

Document No. 21505001.1

Attention: David Gau

Regarding: Limited Fungal Growth Exposure Assessment Surveys
May 2015 Random Sampling

Dear Mr. Gau:

On May 8, 14, 20 and 29, 2015, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted limited fungal growth exposure assessment surveys involving 22 randomly selected areas located within the California State Board of Equalization (BOE) building. The findings of the surveys, along with the analytical data, conclusions, and recommendations when applicable, appear below.

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

As presented in Table 21505001-1, the airborne spore count data recorded showed fungal spore types outdoors such as *Alternaria*, ascospores, basidiospores, *Chaetomium*, *Cladosporium*, colorless spores typical of *Penicillium/Aspergillus* species, *Epicoccum*, *Nigrospora*, *Oidium*, rust, smuts, and/or *Torula*. In the indoor areas tested, the data showed that airborne fungal spores were either not detected at or above the laboratory detection limit indicated or were detected at low airborne concentrations. The fungal spore types found indoor included *Cladosporium*, colorless spores typical of *Penicillium/Aspergillus* species, *Oidium*, 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
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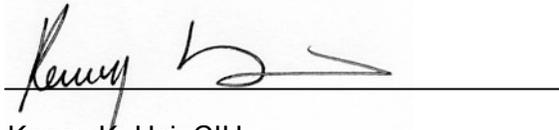


indicated. Note that fungal growth and exposure potentials may change due to changes in environmental conditions (such as those caused by water intrusion), use of mechanical systems, or other factors. Also be advised that additional fungal growth may exist at one or more locations in the structure that 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 K. Hsi", is written over a horizontal line.

Kenny K. Hsi, CIH
Technical Director

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

**TABLE 21505001-1
AIRBORNE TOTAL FUNGI RESULTS
450 N STREET
SACRAMENTO, CALIFORNIA
MAY 8, 14, 20, AND 29, 2015**

Page 1

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

SAMPLE NUMBER	21505001-1 TM01OUT	21505001-1 TM02	21505001-1 TM03	21505001-1 TM04
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 15 feet west of building; approximately five feet above ground/Normal outdoor activities	4 th Floor; Column K17 area; Cubicle 76; southeast corner; approximately five feet above floor/ Normal office activities	8 th Floor; Break Room 808; about center; approximately five feet above floor/Normal office activities	16 th Floor; Elevator Lobby; approximately five feet above floor/Normal office activities
DATE	05/08/15	05/08/15	05/08/15	05/08/15
START/STOP	14:38:00/14:43:00	14:47:00/14:52:00	14:55:00/15:00:00	15:04:00/15:09:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	13			
Ascospores	160			
Basidiospores	1,100			
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	2,900			
Curvularia				
Epicoccum				
Fusarium				
Nigrospora				
Oidium	13			
Other brown				
Other colorless				
Penicillium/Aspergillus types	160			
Pithomyces				
Rusts	160		13	
Smuts (Periconia, Myxomycetes)	330		13	
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	40	<13	13	<13
Background debris*	2+	2+	2+	2+
TOTAL**	4,800	<13	27	<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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450 N STREET
SACRAMENTO, CALIFORNIA
MAY 8, 14, 20, AND 29, 2015**

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

SAMPLE NUMBER	21505001-1 TM05	21505001-1 TM06	21505001-1 TM07OUT	21505001-1 TM08
SAMPLING LOCATION/ACTIVITIES	20 th Floor; Room 2017; about five feet west of entry door; approximately five feet above floor/Normal office activities	24 th Floor; Room 2427; about 10 feet north of entry door from northern corridor and west of Room 2428; approximately five feet above floor/Normal office activities	Outdoors; about 15 feet east of the building; approximately five feet above ground/Normal outdoor activities	3 rd Floor; Room 310; about center; approximately five feet above floor/Normal office activities
DATE	05/08/15	05/08/15	05/14/15	05/14/15
START/STOP	15:12:00/15:17:00	15:22:00/15:27:00	15:00:00/15:05:00	15:09:00/15:14:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria			80	
Ascospores			110	
Basidiospores			53	
Bipolaris/Drechslera group				
Botrytis				
Chaetomium			27	
Cladosporium			4,400	110
Curvularia				
Epicoccum				
Fusarium				
Nigrospora				
Oidium			53	
Other brown				
Penicillium/Aspergillus types			53	
Pithomyces				
Rusts			360	
Smuts (Periconia, Myxomycetes)	13		1,500	
Stachybotrys				
Stemphylium				
Torula				
Trichocladium				
Ulocladium				
Zygomycetes				
Hyphal fragments	<13	<13	130	<13
Background debris*	2+	2+	3+	2+
TOTAL**	13	<13	6,600	110

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

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

SAMPLE NUMBER	21505001-1 TM09	21505001-1 TM10	21505001-1 TM11	21505001-1 TM12
SAMPLING LOCATION/ACTIVITIES	6 th Floor; Room 612; entry door area of Quiet Room 621 approximately five feet above floor/Normal office activities	9 th Floor; Column J18 area; Cubicle 48; approximately five feet above floor/Normal office activities	15 th Floor; Elevator Lobby; about center; approximately five feet above floor/Normal office activities	18 th Floor; Conference Room 1808; entry area adjacent to northern corridor; approximately five feet above floor/Normal office activities
DATE	05/14/15	05/14/15	05/14/15	05/14/15
START/STOP	15:19:00/15:24:00	15:29:00/15:34:00	15:38:00/15:43:00	15:45:00/15:50:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53	53	110	
Curvularia				
Epicoccum				
Fusarium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types			53	
Pithomyces				
Rusts			53	
Smuts (Periconia, Myxomycetes)	13	27		
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background debris*	2+	2+	2+	2+
TOTAL **	67	80	210	<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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Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	21505001-1 TM13OUT	21505001-1 TM14	21505001-1 TM15	21505001-1 TM16
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 15 feet south of the building; approximately five feet above ground/Normal outdoor activities	5 th Floor; Column N17 area; Cubicle 1; about center; approximately five feet above floor/Normal office activities	7 th Floor; Elevator Lobby; about center; approximately five feet above floor/Normal office activities	10 th Floor; Column N21 area; Cubicle 89 entry area; approximately five feet above floor/Normal office activities
DATE	05/20/15	05/20/15	05/20/15	05/20/15
START/STOP	09:23:00/09:28:00	09:34:00/09:39:00	09:47:00/09:52:00	09:56:00/10:01:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Ascospores				
Basidiospores	110			
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	320			
Curvularia				
Epicoccum				
Nigrospora	13			
Oidium				
Other brown				
Other colorless				
Penicillium/Aspergillus types	53			
Pithomyces				
Rusts	27			
Smuts (Periconia, Myxomycetes)	240	13	40	53
Stachybotrys				
Stemphylium				
Torula	27			
Ulocladium				
Zygomycetes				
Hyphal fragments	<13	<13	<13	<13
Background debris*	2+	1+	2+	2+
TOTAL**	790	13	40	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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Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	21505001-1 TM17	21505001-1 TM18	21505001-1 TM19	21505001-1 TM20OUT
SAMPLING LOCATION/ACTIVITIES	14 th Floor; Break Room 1402; about center; approximately five feet above floor/Normal office activities	17 th Floor; Break Room 1710; about center approximately five feet above floor/Normal office activities	21 st Floor; Mail Room 21B; about center; approximately five feet above floor/Normal office activities	Outdoors; about 20 feet northeast of the building; approximately five feet above ground/Normal outdoor activities
DATE	05/20/15	05/20/15	05/20/15	05/29/15
START/STOP	10:08:00/10:13:00	10:17:00/10:22:00	10:24:00/10:29:00	15:42:00/15:47:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				53
Ascospores				53
Basidiospores				53
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				27
Cladosporium				750
Curvularia				
Epicoccum				13
Fusarium				
Myrothecium				
Nigrospora				
Oidium				80
Other brown				
Penicillium/Aspergillus types				160
Pithomyces				
Rusts		13		40
Smuts (Periconia, Myxomycetes)	53	40		690
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Hyphal fragments	<13	<13	<13	120
Background debris*	2+	2+	2+	3+
TOTAL**	53	53	<13	1,900

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

SAMPLE NUMBER	21505001-1 TM21	21505001-1 TM22	21505001-1 TM23	21505001-1 TM24
SAMPLING LOCATION/ACTIVITIES	1 st Floor; Reception Lobby; about center; approximately five feet above floor/Normal office activities	2 nd Floor; Column L23 area; Cubicle 45; about center; approximately feet above floor/Normal office activities	11 th Floor; Low-Rise Elevator Lobby; about center; approximately five feet above floor/Normal office activities	19 th Floor; northern corridor at northeastern end; approximately feet above floor/Normal office activities
DATE	05/29/15	05/29/15	05/29/15	05/29/15
START/STOP	15:49:00/15:54:00	15:57:00/16:02:00	16:06:00/16:11:00	16:13:00/16:18:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			53	
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types			160	53
Pithomyces				
Rusts			13	
Smuts (Periconia, Myxomycetes)	13		40	
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	13	<13
Background debris*	1+	1+	3+	1+
TOTAL**	13	<13	270	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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SAMPLE NUMBER	21505001-1 TM25	21505001-1 TM26		
SAMPLING LOCATION/ACTIVITIES	22 nd Floor; Room 2224; about center; approximately five feet above floor/Sampling activities only	23 rd Floor; Column K19; about 10 feet northwest of Column K19; approximately five feet above floor/Normal office activities	This column intentionally left blank	This column intentionally left blank
DATE	05/29/15	05/29/15		
START/STOP	16:21:00/16:26:00	16:41:00/16:46:00		
SAMPLE TIME	5 minutes	5 minutes		
Alternaria				
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Helicoma				
Myrothecium				
Nigrospora				
Oidium		13		
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)	13	13		
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	<13		
Background debris*	1+	2+		
TOTAL **	13	27		

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

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Report for:

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

Regarding: Project: 21505001-1
EML ID: 1363235

Approved by:

Technical Manager
Melissa Tracey

Dates of Analysis:
Spore trap analysis: 05-11-2015

Service SOPs: Spore trap analysis (EM-MY-S-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. Lakhpreet Sandhu
Re: 21505001-1Date of Sampling: 05-08-2015
Date of Receipt: 05-08-2015
Date of Report: 05-11-2015**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	21505001-1TM01OUT		21505001-1TM02		21505001-1TM03	
Comments (see below)	None		None		None	
Lab ID-Version‡:	6254000-1		6254001-1		6254002-1	
Analysis Date:	05/11/2015		05/11/2015		05/11/2015	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13				
Ascospores	3	160				
Basidiospores	20	1,100				
Chaetomium						
Cladosporium	55	2,900				
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Oidium	1	13				
Other colorless						
Penicillium/Aspergillus types†	3	160				
Pithomyces						
Rusts	12	160			1	13
Smuts, Periconia, Myxomycetes	25	330			1	13
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		2+	
Hyphal fragments/m3	40		< 13		13	
Pollen/m3	13		< 13		27	
Skin cells (1-4+)	< 1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		4,800		< 13		27

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. Lakhpreet Sandhu
 Re: 21505001-1

Date of Sampling: 05-08-2015
 Date of Receipt: 05-08-2015
 Date of Report: 05-11-2015

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21505001-1TM04		21505001-1TM05		21505001-1TM06	
Comments (see below)	None		None		None	
Lab ID-Version‡:	6254003-1		6254004-1		6254005-1	
Analysis Date:	05/11/2015		05/11/2015		05/11/2015	
	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			1	13		
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+	
Sample volume (liters)	75		75		75	
§ 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.
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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".
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Re: 21505001-1

Date of Sampling: 05-08-2015
Date of Receipt: 05-08-2015
Date of Report: 05-11-2015

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 21505001-1TM01OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: May in California† (n‡=17995)						Typical Outdoor Data for: The entire year in California† (n‡=214484)					
		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	38	80	130	63	13	13	27	63	100	53
Bipolaris/Drechslera group	-	7	13	13	27	40	12	7	13	13	27	50	12
Chaetomium	-	8	13	13	27	40	23	8	13	13	27	50	19
Cladosporium	2,900	110	210	530	1,400	2,300	97	110	210	610	1,700	2,800	97
Curvularia	-	7	13	13	25	30	3	7	13	13	27	53	6
Nigrospora	-	7	10	13	13	27	4	7	13	13	27	53	9
Penicillium/Aspergillus types	160	53	53	170	460	750	80	53	100	210	610	1,000	84
Stachybotrys	-	7	13	13	33	67	5	7	13	13	33	67	4
Torula	-	13	13	14	53	80	18	8	13	13	40	67	11
Seldom found growing indoors**													
Ascospores	160	25	53	110	320	590	72	25	53	110	370	700	71
Basidiospores	1,100	40	63	210	640	1,300	91	53	80	270	1,000	2,400	93
Oidium	13	13	13	25	53	80	32	13	13	13	47	75	19
Rusts	160	13	13	27	53	93	40	13	13	13	53	80	26
Smuts, Periconia, Myxomycetes	330	13	27	67	210	390	80	13	13	40	110	210	68
§ TOTAL SPORES/m3	4,800												

†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. Lakhpreet Sandhu
 Re: 21505001-1

Date of Sampling: 05-08-2015
 Date of Receipt: 05-08-2015
 Date of Report: 05-11-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21505001-1TM01OUT:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Alternaria				13	7 - 40 - 610	45
Ascospores				160	13 - 210 - 6,000	76
Basidiospores				1,100	13 - 430 - 24,000	92
Cladosporium				2,900	27 - 480 - 10,000	90
Oidium				13	7 - 13 - 210	11
Penicillium/Aspergillus types				160	13 - 170 - 2,700	68
Rusts				160	7 - 22 - 360	20
Smuts, Periconia, Myxomycetes				330	7 - 53 - 920	64
Total				4,800		

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: 21505001-1TM02

% 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: 4.0000 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: 21505001-1TM03

% 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: 4.0000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.3393 Critical value: 0.6190 Outside Similar: No	Score: 102 Result: Low
Species Detected		Spores/m3		
Rusts		<100	1K	10K
Smuts, Periconia, Myxomycetes				>100K
Total				13
				13
				27

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21505001-1

Date of Sampling: 05-08-2015
 Date of Receipt: 05-08-2015
 Date of Report: 05-11-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21505001-1TM04

% 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: 4.0000 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: 21505001-1TM05

% 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: 4.0000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.5060 Critical value: 0.6190 Outside Similar: No	Score: 102 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
Smuts, Periconia, Myxomycetes				
Total				
				13
				13

Location: 21505001-1TM06

% 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: 4.0000 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

* 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.

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
Re: 21505001-1

Date of Sampling: 05-08-2015
Date of Receipt: 05-08-2015
Date of Report: 05-11-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

*** 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. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21505001-1

Date of Sampling: 05-08-2015
 Date of Receipt: 05-08-2015
 Date of Report: 05-11-2015

MoldSCORE™: Spore Trap Report

Location: 21505001-1TM03

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					1	13				105	
Smuts, Periconia, Myxomycetes					1	13				102	
Total						27					
										Final MoldSCORE	102

Location: 21505001-1TM04

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. Lakhpreet Sandhu
 Re: 21505001-1

Date of Sampling: 05-08-2015
 Date of Receipt: 05-08-2015
 Date of Report: 05-11-2015

MoldSCORE™: Spore Trap Report

Location: 21505001-1TM05

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					1	13				102
Total						13				
							Final MoldSCORE			102

Location: 21505001-1TM06

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. Lakhpreet Sandhu
Re: 21505001-1

Date of Sampling: 05-08-2015
Date of Receipt: 05-08-2015
Date of Report: 05-11-2015

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

Regarding: Project: 21505001-1
EML ID: 1366228

Approved by:

Technical Manager
Melissa Tracey

Dates of Analysis:
Spore trap analysis: 05-18-2015

Service SOPs: Spore trap analysis (EM-MY-S-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. Lakhpreet Sandhu
Re: 21505001-1

Date of Sampling: 05-14-2015
Date of Receipt: 05-15-2015
Date of Report: 05-18-2015

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21505001-1TM07OUT		21505001-1TM08		21505001-1TM09	
Comments (see below)	None		None		None	
Lab ID-Version‡:	6269282-1		6269283-1		6269284-1	
Analysis Date:	05/18/2015		05/18/2015		05/18/2015	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	6	80				
Ascospores	2	110				
Basidiospores	1	53				
Chaetomium	2	27				
Cladosporium	82	4,400	2	110	1	53
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Oidium	4	53				
Other colorless						
Penicillium/Aspergillus types†	1	53				
Pithomyces						
Rusts	27	360				
Smuts, Periconia, Myxomycetes	114	1,500			1	13
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	3+		2+		2+	
Hyphal fragments/m3	130		< 13		< 13	
Pollen/m3	93		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		6,600		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.

††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. Lakhpreet Sandhu
Re: 21505001-1

Date of Sampling: 05-14-2015
Date of Receipt: 05-15-2015
Date of Report: 05-18-2015

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21505001-1TM10		21505001-1TM11		21505001-1TM12	
Comments (see below)	None		None		None	
Lab ID-Version‡:	6269285-1		6269286-1		6269287-1	
Analysis Date:	05/18/2015		05/18/2015		05/18/2015	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Ascospores						
Basidiospores						
Chaetomium						
Cladosporium	1	53	2	110		
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†			1	53		
Pithomyces						
Rusts			4	53		
Smuts, Periconia, Myxomycetes	2	27				
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		80		210		< 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.

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§ 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. Lakhpreet Sandhu
Re: 21505001-1

Date of Sampling: 05-14-2015
Date of Receipt: 05-15-2015
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MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 21505001-1TM07OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: May in California† (n‡=17995)						Typical Outdoor Data for: The entire year in California† (n‡=214484)					
		very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	80	13	13	38	80	130	63	13	13	27	63	100	53
Bipolaris/Drechslera group	-	7	13	13	27	40	12	7	13	13	27	50	12
Chaetomium	27	8	13	13	27	40	23	8	13	13	27	50	19
Cladosporium	4,400	110	210	530	1,400	2,300	97	110	210	610	1,700	2,800	97
Curvularia	-	7	13	13	25	30	3	7	13	13	27	53	6
Nigrospora	-	7	10	13	13	27	4	7	13	13	27	53	9
Penicillium/Aspergillus types	53	53	53	170	460	750	80	53	100	210	610	1,000	84
Stachybotrys	-	7	13	13	33	67	5	7	13	13	33	67	4
Torula	-	13	13	14	53	80	18	8	13	13	40	67	11
Seldom found growing indoors**													
Ascospores	110	25	53	110	320	590	72	25	53	110	370	700	71
Basidiospores	53	40	63	210	640	1,300	91	53	80	270	1,000	2,400	93
Oidium	53	13	13	25	53	80	32	13	13	13	47	75	19
Rusts	360	13	13	27	53	93	40	13	13	13	53	80	26
Smuts, Periconia, Myxomycetes	1,500	13	27	67	210	390	80	13	13	40	110	210	68
§ TOTAL SPORES/m3	6,600												

†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.

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** 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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 Re: 21505001-1

Date of Sampling: 05-14-2015
 Date of Receipt: 05-15-2015
 Date of Report: 05-18-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21505001-1TM07OUT:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Alternaria					7 - 40 - 610	45
Ascospores					13 - 210 - 6,000	76
Basidiospores					13 - 430 - 24,000	92
Chaetomium					7 - 13 - 160	9
Cladosporium					27 - 480 - 10,000	90
Oidium					7 - 13 - 210	11
Penicillium/Aspergillus types					13 - 170 - 2,700	68
Rusts					7 - 22 - 360	20
Smuts, Periconia, Myxomycetes					7 - 53 - 920	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: 21505001-1TM08

% 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: 3.7000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.2000	dF: 9 Result: 0.6667 Critical value: 0.5833 Outside Similar: Yes	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Cladosporium				
	Total				

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21505001-1

Date of Sampling: 05-14-2015
 Date of Receipt: 05-15-2015
 Date of Report: 05-18-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21505001-1TM09

% 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: 3.7000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.3636	dF: 9 Result: 0.7833 Critical value: 0.5833 Outside Similar: Yes	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Smuts, Periconia, Myxomycetes					13
Total					67

Location: 21505001-1TM10

% 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: 3.7000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.3636	dF: 9 Result: 0.7833 Critical value: 0.5833 Outside Similar: Yes	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Smuts, Periconia, Myxomycetes					27
Total					80

Location: 21505001-1TM11

% 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: 3.7000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.5000	dF: 9 Result: 0.5333 Critical value: 0.5833 Outside Similar: No	Score: 108 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					110
Penicillium/Aspergillus types					53
Rusts					53
Total					210

Client: Hygiene Technologies International, Inc.
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 Re: 21505001-1

Date of Sampling: 05-14-2015
 Date of Receipt: 05-15-2015
 Date of Report: 05-18-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21505001-1TM12

% 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: 3.7000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
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. Lakhpreet Sandhu
 Re: 21505001-1

Date of Sampling: 05-14-2015
 Date of Receipt: 05-15-2015
 Date of Report: 05-18-2015

MoldSCORE™: Spore Trap Report

Outdoor Sample: 21505001-1TM07OUT

Fungi Identified	Outdoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
Generally able to grow indoors*						
Alternaria					6	80
Bipolaris/Drechslera group					ND	< 13
Chaetomium					2	27
Cladosporium					82	4,400
Curvularia					ND	< 13
Nigrospora					ND	< 13
Penicillium/Aspergillus types†					1	53
Stachybotrys					ND	< 13
Torula					ND	< 13
Seldom found growing indoors**						
Ascospores					2	110
Basidiospores					1	53
Oidium					4	53
Rusts					27	360
Smuts, Periconia, Myxomycetes					114	1,500
Total						6,627

Location: 21505001-1TM08

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					2	110
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						107

MoldSCORE‡			Score
100	200	300	
			100
			100
			100
			102
			100
			100
			100
			100
			100
			100
			100
			100
			100
Final MoldSCORE			102

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21505001-1

Date of Sampling: 05-14-2015
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 Date of Report: 05-18-2015

MoldSCORE™: Spore Trap Report

Location: 21505001-1TM09

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					1	13				100
Total						67				Final MoldSCORE 101

Location: 21505001-1TM10

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					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes					2	27				102
Total						80				Final MoldSCORE 102

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21505001-1

Date of Sampling: 05-14-2015
 Date of Receipt: 05-15-2015
 Date of Report: 05-18-2015

MoldSCORE™: Spore Trap Report

Location: 21505001-1TM11

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	█				2	110	█			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	█				4	53	█			116
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
Total						213				
							Final MoldSCORE			108

Location: 21505001-1TM12

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. Lakhpreet Sandhu
Re: 21505001-1

Date of Sampling: 05-14-2015
Date of Receipt: 05-15-2015
Date of Report: 05-18-2015

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

Regarding: Project: 21505001-1
EML ID: 1368081

Approved by:

Technical Manager
Melissa Tracey

Dates of Analysis:
Spore trap analysis: 05-21-2015

Service SOPs: Spore trap analysis (EM-MY-S-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. Lakhpreet Sandhu
Re: 21505001-1

Date of Sampling: 05-20-2015
Date of Receipt: 05-20-2015
Date of Report: 05-21-2015

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21505001-1TM13OUT		21505001-1TM14		21505001-1TM15		21505001-1TM16	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	6278136-1		6278137-1		6278138-1		6278139-1	
Analysis Date:	05/21/2015		05/21/2015		05/21/2015		05/21/2015	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Ascospores								
Basidiospores	2	110						
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	6	320						
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora	1	13						
Other colorless								
Penicillium/Aspergillus types†	1	53						
Pithomyces								
Rusts	2	27						
Smuts, Periconia, Myxomycetes	18	240	1	13	3	40	4	53
Stachybotrys								
Stemphylium								
Torula	2	27						
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		1+		2+		2+	
Hyphal fragments/m3	< 13		< 13		< 13		< 13	
Pollen/m3	120		< 13		< 13		13	
Skin cells (1-4+)	< 1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		790		13		40		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. Lakhpreet Sandhu
Re: 21505001-1

Date of Sampling: 05-20-2015
Date of Receipt: 05-20-2015
Date of Report: 05-21-2015

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21505001-1TM17		21505001-1TM18		21505001-1TM19	
Comments (see below)	None		None		None	
Lab ID-Version‡:	6278140-1		6278141-1		6278142-1	
Analysis Date:	05/21/2015		05/21/2015		05/21/2015	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Ascospores						
Aureobasidium						
Basidiospores						
Bipolaris/Drechslera group						
Botrytis						
Chaetomium						
Cladosporium						
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts			1	13		
Smuts, Periconia, Myxomycetes	4	53	3	40		
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		< 13	
Pollen/m3	13		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		53		53		< 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. Lakhpreet Sandhu
Re: 21505001-1

Date of Sampling: 05-20-2015
Date of Receipt: 05-20-2015
Date of Report: 05-21-2015

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 21505001-1TM13OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: May in California† (n‡=17995)						Typical Outdoor Data for: The entire year in California† (n‡=214484)					
		very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	-	13	13	38	80	130	63	13	13	27	63	100	53
Bipolaris/Drechslera group	-	7	13	13	27	40	12	7	13	13	27	50	12
Chaetomium	-	8	13	13	27	40	23	8	13	13	27	50	19
Cladosporium	320	110	210	530	1,400	2,300	97	110	210	610	1,700	2,800	97
Curvularia	-	7	13	13	25	30	3	7	13	13	27	53	6
Nigrospora	13	7	10	13	13	27	4	7	13	13	27	53	9
Penicillium/Aspergillus types	53	53	53	170	460	750	80	53	100	210	610	1,000	84
Stachybotrys	-	7	13	13	33	67	5	7	13	13	33	67	4
Torula	27	13	13	14	53	80	18	8	13	13	40	67	11
Seldom found growing indoors**													
Ascospores	-	25	53	110	320	590	72	25	53	110	370	700	71
Basidiospores	110	40	63	210	640	1,300	91	53	80	270	1,000	2,400	93
Rusts	27	13	13	27	53	93	40	13	13	13	53	80	26
Smuts, Periconia, Myxomycetes	240	13	27	67	210	390	80	13	13	40	110	210	68
§ TOTAL SPORES/m3	790												

†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.

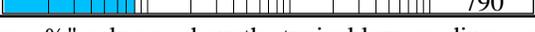
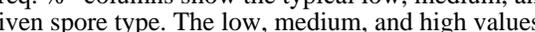
Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis 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. Lakhpreet Sandhu
 Re: 21505001-1

Date of Sampling: 05-20-2015
 Date of Receipt: 05-20-2015
 Date of Report: 05-21-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21505001-1TM13OUT:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Ascospores	 < 13				13 - 210 - 6,000	76
Basidiospores	 110				13 - 430 - 24,000	92
Cladosporium	 320				27 - 480 - 10,000	90
Nigrospora	 13				7 - 13 - 240	16
Penicillium/Aspergillus types	 53				13 - 170 - 2,700	68
Rusts	 27				7 - 22 - 360	20
Smuts, Periconia, Myxomycetes	 240				7 - 53 - 920	64
Torula	 27				7 - 13 - 170	9
Total	 790					

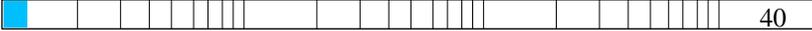
The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, 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: 21505001-1TM14

% 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: 0.2500	dF: 7 Result: 0.5714 Critical value: 0.6786 Outside Similar: No	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Smuts, Periconia, Myxomycetes				
	Total				

Location: 21505001-1TM15

% 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: 5 Result: 3.4286 Critical value: 11.0705 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.5714 Critical value: 0.6786 Outside Similar: No	Score: 107 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Smuts, Periconia, Myxomycetes				
	Total				

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21505001-1

Date of Sampling: 05-20-2015
 Date of Receipt: 05-20-2015
 Date of Report: 05-21-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21505001-1TM16

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 6%	dF: 5 Result: 3.4286 Critical value: 11.0705 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.5714 Critical value: 0.6786 Outside Similar: No	Score: 109 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Smuts, Periconia, Myxomycetes					53
Total					53

Location: 21505001-1TM17

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 6%	dF: 5 Result: 3.4286 Critical value: 11.0705 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.5714 Critical value: 0.6786 Outside Similar: No	Score: 109 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Smuts, Periconia, Myxomycetes					53
Total					53

Location: 21505001-1TM18

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 6%	dF: 5 Result: 3.4286 Critical value: 11.0705 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.3125 Critical value: 0.6786 Outside Similar: No	Score: 107 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Rusts					13
Smuts, Periconia, Myxomycetes					40
Total					53

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21505001-1

Date of Sampling: 05-20-2015
 Date of Receipt: 05-20-2015
 Date of Report: 05-21-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21505001-1TM19

% 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. Lakhpreet Sandhu
 Re: 21505001-1

Date of Sampling: 05-20-2015
 Date of Receipt: 05-20-2015
 Date of Report: 05-21-2015

MoldSCORE™: Spore Trap Report

Location: 21505001-1TM15

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	█				3	40	█			107
Total						40				Final MoldSCORE 107

Location: 21505001-1TM16

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	█				4	53	█			109
Total						53				Final MoldSCORE 109

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21505001-1

Date of Sampling: 05-20-2015
 Date of Receipt: 05-20-2015
 Date of Report: 05-21-2015

MoldSCORE™: Spore Trap Report

Location: 21505001-1TM17

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	█				4	53	█			109
Total						53				Final MoldSCORE 109

Location: 21505001-1TM18

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	█				1	13	█			105
Smuts, Periconia, Myxomycetes	█				3	40	█			107
Total						53				Final MoldSCORE 107

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21505001-1

Date of Sampling: 05-20-2015
 Date of Receipt: 05-20-2015
 Date of Report: 05-21-2015

MoldSCORE™: Spore Trap Report

Location: 21505001-1TM19

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

Regarding: Project: 21505001-1
EML ID: 1372428

Approved by:

Technical Manager
Melissa Tracey

Dates of Analysis:
Spore trap analysis: 06-01-2015

Service SOPs: Spore trap analysis (EM-MY-S-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. Lakhpreet Sandhu
Re: 21505001-1

Date of Sampling: 05-29-2015
Date of Receipt: 06-01-2015
Date of Report: 06-02-2015

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21505001-1TM20OUT		21505001-1TM21		21505001-1TM22		21505001-1TM23	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	6300184-1		6300185-1		6300186-1		6300187-1	
Analysis Date:	06/01/2015		06/01/2015		06/01/2015		06/01/2015	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	4	53						
Ascospores	1	53						
Basidiospores	1	53						
Chaetomium	2	27						
Cladosporium	14	750					1	53
Epicoccum	1	13						
Fusarium								
Myrothecium								
Nigrospora								
Oidium	6	80						
Other colorless								
Penicillium/Aspergillus types†	3	160					3	160
Pithomyces								
Rusts	3	40					1	13
Smuts, Periconia, Myxomycetes	52	690	1	13			3	40
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	3+		1+		1+		3+	
Hyphal fragments/m3	120		< 13		< 13		13	
Pollen/m3	40		27		< 13		27	
Skin cells (1-4+)	< 1+		< 1+		< 1+		2+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		1,900		13		< 13		270

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. Lakhpreet Sandhu
 Re: 21505001-1

Date of Sampling: 05-29-2015
 Date of Receipt: 06-01-2015
 Date of Report: 06-02-2015

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21505001-1TM24		21505001-1TM25		21505001-1TM26	
Comments (see below)	None		None		None	
Lab ID-Version‡:	6300188-1		6300189-1		6300190-1	
Analysis Date:	06/01/2015		06/01/2015		06/01/2015	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Ascospores						
Basidiospores						
Chaetomium						
Cladosporium						
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Oidium					1	13
Other colorless						
Penicillium/Aspergillus types†	1	53				
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes			1	13	1	13
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+		1+		2+	
Hyphal fragments/m3	< 13		< 13		< 13	
Pollen/m3	< 13		< 13		13	
Skin cells (1-4+)	< 1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		53		13		27

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. Lakhpreet Sandhu
Re: 21505001-1

Date of Sampling: 05-29-2015
Date of Receipt: 06-01-2015
Date of Report: 06-02-2015

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 21505001-1TM20OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: May in California† (n‡=17995)						Typical Outdoor Data for: The entire year in California† (n‡=214484)					
		very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	53	13	13	38	80	130	63	13	13	27	63	100	53
Bipolaris/Drechslera group	-	7	13	13	27	40	12	7	13	13	27	50	12
Chaetomium	27	8	13	13	27	40	23	8	13	13	27	50	19
Cladosporium	750	110	210	530	1,400	2,300	97	110	210	610	1,700	2,800	97
Curvularia	-	7	13	13	25	30	3	7	13	13	27	53	6
Epicoccum	13	10	13	13	40	53	24	8	13	13	38	53	19
Nigrospora	-	7	10	13	13	27	4	7	13	13	27	53	9
Penicillium/Aspergillus types	160	53	53	170	460	750	80	53	100	210	610	1,000	84
Stachybotrys	-	7	13	13	33	67	5	7	13	13	33	67	4
Torula	-	13	13	14	53	80	18	8	13	13	40	67	11
Seldom found growing indoors**													
Ascospores	53	25	53	110	320	590	72	25	53	110	370	700	71
Basidiospores	53	40	63	210	640	1,300	91	53	80	270	1,000	2,400	93
Oidium	80	13	13	25	53	80	32	13	13	13	47	75	19
Rusts	40	13	13	27	53	93	40	13	13	13	53	80	26
Smuts, Periconia, Myxomycetes	690	13	27	67	210	390	80	13	13	40	110	210	68
§ TOTAL SPORES/m3	1,900												

†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.

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Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21505001-1

Date of Sampling: 05-29-2015
 Date of Receipt: 06-01-2015
 Date of Report: 06-02-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21505001-1TM20OUT:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Alternaria					7 - 40 - 610	45
Ascospores					13 - 210 - 6,000	76
Basidiospores					13 - 430 - 24,000	92
Chaetomium					7 - 13 - 160	9
Cladosporium					27 - 480 - 10,000	90
Epicoccum					7 - 22 - 330	24
Oidium					7 - 13 - 210	11
Penicillium/Aspergillus types					13 - 170 - 2,700	68
Rusts					7 - 22 - 360	20
Smuts, Periconia, Myxomycetes					7 - 53 - 920	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: 21505001-1TM21

% 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: 7.0571 Critical value: 11.0705 Inside Similar: Yes	Result: 0.1818	dF: 10 Result: 0.5879 Critical value: 0.5515 Outside Similar: Yes	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Smuts, Periconia, Myxomycetes				
	Total				

Location: 21505001-1TM22

% 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: 7.0571 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				

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21505001-1TM23

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 13%	dF: 5 Result: 7.0571 Critical value: 11.0705 Inside Similar: Yes	Result: 0.5714	dF: 10 Result: 0.7000 Critical value: 0.5515 Outside Similar: Yes	Score: 122 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Penicillium/Aspergillus types					160
Rusts					13
Smuts, Periconia, Myxomycetes					40
Total					270

Location: 21505001-1TM24

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 2%	dF: 5 Result: 7.0571 Critical value: 11.0705 Inside Similar: Yes	Result: 0.1818	dF: 10 Result: 0.5273 Critical value: 0.5515 Outside Similar: No	Score: 108 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Total					53

Location: 21505001-1TM25

% 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: 7.0571 Critical value: 11.0705 Inside Similar: Yes	Result: 0.1818	dF: 10 Result: 0.5879 Critical value: 0.5515 Outside Similar: Yes	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Smuts, Periconia, Myxomycetes					13
Total					13

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21505001-1

Date of Sampling: 05-29-2015
 Date of Receipt: 06-01-2015
 Date of Report: 06-02-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21505001-1TM26

% 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: 7.0571 Critical value: 11.0705 Inside Similar: Yes	Result: 0.3333	dF: 10 Result: 0.5727 Critical value: 0.5515 Outside Similar: Yes	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Oidium					13
Smuts, Periconia, Myxomycetes					13
Total					27

* 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.

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 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21505001-1

Date of Sampling: 05-29-2015
 Date of Receipt: 06-01-2015
 Date of Report: 06-02-2015

MoldSCORE™: Spore Trap Report

Outdoor Sample: 21505001-1TM20OUT

Fungi Identified	Outdoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
Generally able to grow indoors*						
Alternaria					4	53
Bipolaris/Drechslera group					ND	< 13
Chaetomium					2	27
Cladosporium					14	750
Curvularia					ND	< 13
Epicoccum					1	13
Nigrospora					ND	< 13
Penicillium/Aspergillus types†					3	160
Stachybotrys					ND	< 13
Torula					ND	< 13
Seldom found growing indoors**						
Ascospores					1	53
Basidiospores					1	53
Oidium					6	80
Rusts					3	40
Smuts, Periconia, Myxomycetes					52	690
Total						1,920

Location: 21505001-1TM21

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					ND	< 13
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					1	13
Total						13

MoldSCORE‡			
100	200	300	Score
			100
			100
			100
			100
			100
			100
			100
			100
			100
			100
			100
			100
			102
Final MoldSCORE			102

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Date of Sampling: 05-29-2015
 Date of Receipt: 06-01-2015
 Date of Report: 06-02-2015

MoldSCORE™: Spore Trap Report

Location: 21505001-1TM22

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: 21505001-1TM23

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†					3	160				122
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores					ND	< 13				100
Basidiospores					ND	< 13				100
Rusts					1	13				103
Smuts, Periconia, Myxomycetes					3	40				100
Total						267				Final MoldSCORE 122

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MoldSCORE™: Spore Trap Report

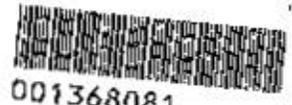
Location: 21505001-1TM24

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

Location: 21505001-1TM25

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	█				1	13				102
Total						13				Final MoldSCORE 102

HYGIENE TECHNOLOGIES INTERNA



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3625 DEL AMO BOULEVARD, SUITE 180, TORRANCE, CA 90503 • (310) 370-8370 • FAX (310) 370-2474

Request For Analysis

Project Number/Purchase Order: 21505001-1

Date Submitted: 05-20-15

Project Contact: L. Sandhu/K. Hsl

Turnaround Required: Normal

Lab Destination: EMLAB P & K

Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
21505001-1TM13OUT	75 L	Air-O-Cell	Spore Trap Analysis (Total Fungi)
21505001-1TM14	75 L	Air-O-Cell	Spore Trap Analysis (Total Fungi)
21505001-1TM15	75 L	Air-O-Cell	Spore Trap Analysis (Total Fungi)
21505001-1TM16	75 L	Air-O-Cell	Spore Trap Analysis (Total Fungi)
21505001-1TM17	75 L	Air-O-Cell	Spore Trap Analysis (Total Fungi)
21505001-1TM18	75 L	Air-O-Cell	Spore Trap Analysis (Total Fungi)
21505001-1TM19	75 L	Air-O-Cell	Spore Trap Analysis (Total Fungi)

Special Instructions : Random Sampling (Round 2)

1. Sampled by: [Signature] on 05-20-15@ 0923 hrs Received by: [Signature] on 05/20/15 1222pm
 2. Relinquished by: [Signature] on 05-20-15@1221 hrs Received by: _____
 3. Relinquished by: _____ Received by: _____
 Please include signature, date, and time

Lab Use Only:

