



HYGIENETECH

Hygiene Technologies International, Inc.

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May 7, 2015

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

Document No. 21502001.1

Attention: David Gau

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

Dear Mr. Gau:

On February 9, 26, and 27 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 21502001-1, the airborne spore count data recorded showed fungal spore types outdoors such as *Alternaria*, ascospores, basidiospores, *Cladosporium*, colorless spores typical of *Penicillium/Aspergillus* species, *Epicoccum*, *Oidium*, rust and/or smuts. In the indoor areas tested, the data showed that airborne fungal spores were either not detected at or above the laboratory detection limit indicated or were detected at low airborne concentrations. The fungal spore types found indoor included *Alternaria*, basidiospores, *Cladosporium*, colorless spores typical of *Penicillium/Aspergillus* species, *Curvularia*, *Oidium*, other brown, rusts, smuts and/or *Trichocladium*. The distribution of fungal spore types detected in the surveyed areas was generally 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
May 7, 2015
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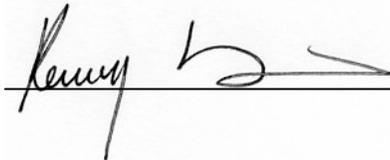


indicated. Note that fungal growth and exposure potentials may change due to changes in environmental conditions (such as those caused by water intrusion), use of mechanical systems, or other factors. Also be advised that additional fungal growth may exist at one or more locations in the structure that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



Technical Director

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

**TABLE 21502001-1
AIRBORNE TOTAL FUNGI RESULTS
450 N STREET
SACRAMENTO, CALIFORNIA
FEBRUARY 9, 26 AND 27, 2015**

Page 1

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

SAMPLE NUMBER	21502001-1 TM01OUT	21502001-1 TM02	21502001-1 TM03	21502001-1 TM04
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 15 feet northeast of building; approximately five feet above ground/Normal outdoor activities	3 rd Floor; Room 317; Column O18 area; about two feet south of Column O18 approximately five feet above floor/Normal office activities	4 th Floor; Column K17 area; Cubicle 76 southeastern corner; approximately five feet above floor/Normal office activities	10 th Floor; Column J18 area; about three feet north of Column J18; approximately five feet above floor/Normal office activities
DATE	02/09/15	02/09/15	02/09/15	02/09/15
START/STOP	10:40:00/10:45:00	10:49:00/10:54:00	10:58:00/11:03:00	11:06:00/11:11:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Ascospores	320			
Basidiospores	1,100			53
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53			
Curvularia				
Epicoccum				
Fusarium				
Nigrospora				
Oidium				
Other brown				
Other colorless				
Penicillium/Aspergillus types	210	110		
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)		13		
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	27	<13	<13	13
Background debris*	1+	2+	1+	2+
TOTAL**	1,600	120	<13	53

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

**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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AIRBORNE TOTAL FUNGI RESULTS
450 N STREET
SACRAMENTO, CALIFORNIA
FEBRUARY 9, 26 AND 27, 2015

Page 2

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

SAMPLE NUMBER	21502001-1 TM05	21502001-1 TM06	21502001-1 TM07OUT	21502001-1 TM08
SAMPLING LOCATION/ACTIVITIES	11 th Floor; area between Column K17 and K18; about center; approximately five feet above floor/Normal office activities	23 rd Floor; Room 2314; reception area; approximately five feet above floor/Normal office activities	Outdoors; about 15 feet west of the building; approximately five feet above floor/Normal outdoor activities	5 th Floor; Elevator Lobby; about center; approximately five feet above floor/Normal office activities
DATE	02/09/15	02/09/15	02/26/15	02/26/15
START/STOP	11:39:00/11:44:00	11:49:00/11:54:00	15:33:00/15:38:00	15:42:00/15:47:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				13
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			800	
Curvularia				
Epicoccum			13	
Fusarium				
Nigrospora				
Oidium			53	
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts			67	80
Smuts (Periconia, Myxomycetes)			160	80
Stachybotrys				
Stemphylium				
Torula				
Trichocladium	13			
Ulocladium				
Zygomycetes				
Hyphal fragments	<13	<13	53	13
Background debris*	1+	1+	1+	2+
TOTAL **	13	<13	1,100	170

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

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450 N STREET
SACRAMENTO, CALIFORNIA
FEBRUARY 9, 26 AND 27, 2015

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

SAMPLE NUMBER	21502001-1 TM09	21502001-1 TM10	21502001-1 TM11	21502001-1 TM12
SAMPLING LOCATION/ACTIVITIES	7 th Floor; Column K20 area; Cubicle 34 entry area; approximately five feet above floor/Normal office activities	9 th Floor; Break Room 903; about center; approximately five feet above floor/Normal office activities	14 th Floor; Break Room 1409; about center; approximately five feet above floor/Normal office activities	16 th Floor; Elevator Lobby; approximately five feet above floor/Normal office activities
DATE	02/26/15	02/26/15	02/26/15	02/26/15
START/STOP	15:50:00/15:55:00	15:57:00/16:02:00	16:07:00/16:12:00	16:14:00/16:19:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria		13		
Arthrinium				
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		53		
Curvularia				
Epicoccum				
Fusarium				
Nigrospora				
Oidium			13	
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts	40	27	13	
Smuts (Periconia, Myxomycetes)			27	
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background debris*	1+	2+	1+	1+
TOTAL **	40	93	53	<13

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

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

SAMPLE NUMBER	21502001-1 TM13	21502001-1 TM14	21502001-1 TM15	21502001-1 TM16
SAMPLING LOCATION/ACTIVITIES	18 th Floor; Column K19 area; Cubicle 60; approximately five feet above floor/Normal office activities	20 th Floor; Column N22 area; Cubicle 79.1; approximately five feet above floor/Normal office activities	21 st Floor; area between Column L17 and M17; Cubicle 123 entry area; approximately five feet above floor/Normal office activities	22 nd Floor; Column K18 area; immediately adjacent to Room 2206 entry door; about center; approximately five feet above floor/Normal office activities
DATE	02/26/15	02/26/15	02/26/15	02/26/15
START/STOP	16:21:00/16:26:00	16:34:00/16:39:00	16:44:00/16:49:00	16:55:00/17:00:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Nigrospora				
Oidium				
Other brown				
Other colorless				
Penicillium/Aspergillus types				53
Pithomyces				
Rusts		13		13
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Hyphal fragments	<13	13	<13	<13
Background debris*	1+	1+	1+	2+
TOTAL**	<13	13	<13	67

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

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

SAMPLE NUMBER	21502001-1 TM17OUT	21502001-1 TM18	21502001-1 TM19	21502001-1 TM20
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 15 feet east of the building; approximately five feet above ground/Normal outdoor activities	1 st Floor; Supply Room adjacent to garage loading dock; approximately five feet above floor/Normal office activities	2 nd Floor; Column L22 area; about three feet north of Column L22; approximately five feet above floor/Normal office activities	6 th Floor; Elevator Lobby; about center; approximately five feet above floor/Normal office activities
DATE	02/27/15	02/27/15	02/27/15	02/27/15
START/STOP	15:48:00/15:53:00	15:55:00/16:00:00	16:05:00/16:10:00	16:13:00/16:18:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	13			
Ascospores	530			
Basidiospores	590	53		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	5,100	53		53
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium	550	67		
Other brown				13
Penicillium/Aspergillus types	110	53		53
Pithomyces				
Rusts	53		13	27
Smuts (Periconia, Myxomycetes)	210	40		13
Stemphylium				
Stachybotrys				
Torula				
Ulocladium				
Zygomycetes				
Hyphal fragments	110	<13	<13	<13
Background debris*	2+	2+	1+	2+
TOTAL**	7,100	270	13	160

*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	21502001-1 TM21	21502001-1 TM22	21502001-1 TM23	21502001-1 TM24
SAMPLING LOCATION/ACTIVITIES	8 th Floor; Column J18 area; Cubicle 69; southeastern corner; approximately five feet above floor/Normal office activities	15 th Floor; Room 15B; about center; approximately five feet above floor/ Normal office activities	17 th Floor; Column L22 area; Cubicle 62 entry area; approximately five feet above floor/Normal office activities	19 th Floor; Elevator Lobby; about center; approximately feet above floor/Normal office activities
DATE	02/27/15	02/27/15	02/27/15	02/27/15
START/STOP	16:20:00/16:25:00	16:30:00/16:35:00	16:37:00/16:42:00	16:44:00/16:49:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Ascospores				
Basidiospores				53
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				53
Curvularia				13
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				53
Pithomyces				
Rusts				13
Smuts (Periconia, Myxomycetes)		13		13
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	13	13
Background debris*	2+	2+	2+	2+
TOTAL**	<13	13	<13	200

*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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AIRBORNE TOTAL FUNGI RESULTS
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SACRAMENTO, CALIFORNIA
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SAMPLE NUMBER	21502001-1 TM25			
SAMPLING LOCATION/ACTIVITIES	24 th Floor; Room 2434; entry area; approximately five feet above floor/Normal office activities	This column intentionally left blank	This column intentionally left blank	This column intentionally left blank
DATE	02/27/15			
START/STOP	16:51:00/16:56:00			
SAMPLE TIME	5 minutes			
Alternaria				
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Helicoma				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts	40			
Smuts (Periconia, Myxomycetes)	13			
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13			
Background debris*	2+			
TOTAL**	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+.

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



Report for:

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

Regarding: Project: 21502001-1
EML ID: 1323601

Approved by:

Technical Manager
Melissa Tracey

Dates of Analysis:
Spore trap analysis: 02-11-2015

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: 21502001-1

Date of Sampling: 02-09-2015
 Date of Receipt: 02-10-2015
 Date of Report: 02-11-2015

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21502001-1TM01OUT		21502001-1TM02		21502001-1TM03	
Comments (see below)	None		None		None	
Lab ID-Version‡:	6044799-1		6044800-1		6044801-1	
Analysis Date:	02/11/2015		02/11/2015		02/11/2015	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Ascospores	6	320				
Basidiospores	19	1,000				
Botrytis						
Chaetomium						
Cladosporium	1	53				
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†	4	210	2	110		
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes			1	13		
Stachybotrys						
Stemphylium						
Torula						
Trichocladium						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+		2+		1+	
Hyphal fragments/m3	27		< 13		< 13	
Pollen/m3	13		13		13	
Skin cells (1-4+)	< 1+		1+		< 1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		1,600		120		< 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: 21502001-1

Date of Sampling: 02-09-2015
 Date of Receipt: 02-10-2015
 Date of Report: 02-11-2015

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21502001-1TM04		21502001-1TM05		21502001-1TM06	
Comments (see below)	None		None		None	
Lab ID-Version‡:	6044802-1		6044803-1		6044804-1	
Analysis Date:	02/11/2015		02/11/2015		02/11/2015	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Ascospores						
Basidiospores	1	53				
Botrytis						
Chaetomium						
Cladosporium						
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Trichocladium			1	13		
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		1+		1+	
Hyphal fragments/m3	13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13	
Skin cells (1-4+)	1+		< 1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		53		13		< 13

Comments:

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

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

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
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C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
Re: 21502001-1

Date of Sampling: 02-09-2015
Date of Receipt: 02-10-2015
Date of Report: 02-11-2015

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 21502001-1TM01OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: February in California† (n‡=17287)						Typical Outdoor Data for: The entire year in California† (n‡=213214)					
		very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	-	13	13	20	50	67	38	13	13	27	63	100	53
Bipolaris/Drechslera group	-	7	13	13	27	40	7	7	13	13	27	48	12
Chaetomium	-	7	13	13	27	40	9	8	13	13	27	50	19
Cladosporium	53	80	160	430	1,100	1,900	95	110	210	610	1,700	2,800	97
Curvularia	-	7	10	13	13	27	2	7	13	13	27	53	6
Nigrospora	-	7	13	13	13	27	4	7	13	13	27	53	9
Penicillium/Aspergillus types	210	53	67	200	510	840	82	53	100	210	600	1,000	84
Stachybotrys	-	13	13	13	40	87	3	7	13	13	33	67	4
Torula	-	7	13	13	40	53	5	8	13	13	40	67	11
Trichocladium	-	7	10	13	13	27	< 1	7	13	13	13	27	2
Seldom found growing indoors**													
Ascospores	320	27	53	160	530	960	72	25	53	110	370	690	71
Basidiospores	1,000	53	110	430	1,900	3,900	95	53	80	250	1,000	2,300	93
Rusts	-	8	13	13	40	73	14	13	13	13	53	80	26
Smuts, Periconia, Myxomycetes	-	13	13	27	67	110	54	13	13	40	110	210	68
§ TOTAL SPORES/m3	1,600												

†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.

§ 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: 21502001-1

Date of Sampling: 02-09-2015
 Date of Receipt: 02-10-2015
 Date of Report: 02-11-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21502001-1TM01OUT:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Ascospores				320	13 - 210 - 6,000	77
Basidiospores				1,000	18 - 450 - 24,000	92
Cladosporium				53	27 - 470 - 10,000	90
Penicillium/Aspergillus types				210	13 - 170 - 2,700	68
Smuts, Periconia, Myxomycetes				<13	7 - 53 - 920	64
Total				1,600		

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: 21502001-1TM02

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 7%	dF: 4 Result: 1.7500 Critical value: 9.4877 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: -0.3000 Critical value: 0.8000 Outside Similar: No	Score: 115 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Penicillium/Aspergillus types				110
	Smuts, Periconia, Myxomycetes				13
	Total				120

Location: 21502001-1TM03

% 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: 1.7500 Critical value: 9.4877 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	None Detected				< 13

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21502001-1

Date of Sampling: 02-09-2015
 Date of Receipt: 02-10-2015
 Date of Report: 02-11-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21502001-1TM04

% 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: 1.7500 Critical value: 9.4877 Inside Similar: Yes	Result: 0.4000	dF: 4 Result: 0.8000 Critical value: N/A Outside Similar: N/A	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Total					53

Location: 21502001-1TM05

% 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: 1.7500 Critical value: 9.4877 Inside Similar: Yes	Result: 0.0000	dF: 5 Result: -0.2500 Critical value: 0.8000 Outside Similar: No	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Trichocladium					13
Total					13

Location: 21502001-1TM06

% 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: 1.7500 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.

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
Re: 21502001-1

Date of Sampling: 02-09-2015
Date of Receipt: 02-10-2015
Date of Report: 02-11-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

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

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

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

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: 21502001-1

Date of Sampling: 02-09-2015
 Date of Receipt: 02-10-2015
 Date of Report: 02-11-2015

MoldSCORE™: Spore Trap Report

Location: 21502001-1TM03

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					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
Total						N/A				Final MoldSCORE 100

Location: 21502001-1TM04

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		█			1	53	█			103
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
Total						53				Final MoldSCORE 103

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21502001-1

Date of Sampling: 02-09-2015
 Date of Receipt: 02-10-2015
 Date of Report: 02-11-2015

MoldSCORE™: Spore Trap Report

Location: 21502001-1TM05

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
Trichocladium					1	13				105
Seldom found growing indoors**										
Ascospores					ND	< 13				100
Basidiospores					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes					ND	< 13				100
Total						13				Final MoldSCORE 105

Location: 21502001-1TM06

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: 21502001-1

Date of Sampling: 02-09-2015
Date of Receipt: 02-10-2015
Date of Report: 02-11-2015

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: 21502001-1
EML ID: 1331305

Approved by:

Technical Manager
Melissa Tracey

Dates of Analysis:
Spore trap analysis: 03-02-2015

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: 21502001-1

Date of Sampling: 02-26-2015
 Date of Receipt: 02-27-2015
 Date of Report: 03-02-2015

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21502001-1TM07OUT		21502001-1TM08		21502001-1TM09		21502001-1TM10	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	6083610-1		6083611-1		6083612-1		6083613-1	
Analysis Date:	03/02/2015		03/02/2015		03/02/2015		03/02/2015	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria			1	13			1	13
Ascospores								
Basidiospores								
Botrytis								
Chaetomium								
Cladosporium	15	800					1	53
Curvularia								
Epicoccum	1	13						
Fusarium								
Myrothecium								
Nigrospora								
Oidium	4	53						
Other colorless								
Penicillium/Aspergillus types†								
Pithomyces								
Rusts	5	67	6	80	3	40	2	27
Smuts, Periconia, Myxomycetes	12	160	6	80				
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Background debris (1-4+)††	1+		2+		1+		2+	
Hyphal fragments/m3	53		13		< 13		< 13	
Pollen/m3	53		27		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		< 1+		1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		1,100		170		40		93

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: 21502001-1

Date of Sampling: 02-26-2015
 Date of Receipt: 02-27-2015
 Date of Report: 03-02-2015

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21502001-1TM11		21502001-1TM12		21502001-1TM13		21502001-1TM14	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	6083614-1		6083615-1		6083616-1		6083617-1	
Analysis Date:	03/02/2015		03/02/2015		03/02/2015		03/02/2015	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Ascospores								
Basidiospores								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium								
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium	1	13						
Other colorless								
Penicillium/Aspergillus types†								
Pithomyces								
Rusts	1	13					1	13
Smuts, Periconia, Myxomycetes	2	27						
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Background debris (1-4+)††	1+		1+		1+		1+	
Hyphal fragments/m3	< 13		< 13		< 13		13	
Pollen/m3	< 13		< 13		< 13		< 13	
Skin cells (1-4+)	1+		< 1+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		53		< 13		< 13		13

Comments:

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

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

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

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21502001-1

Date of Sampling: 02-26-2015
 Date of Receipt: 02-27-2015
 Date of Report: 03-02-2015

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21502001-1TM15		21502001-1TM16	
Comments (see below)	None		None	
Lab ID-Version‡:	6083618-1		6083619-1	
Analysis Date:	03/02/2015		03/02/2015	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria				
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium				
Other colorless				
Penicillium/Aspergillus types†			1	53
Pithomyces				
Rusts			1	13
Smuts, Periconia, Myxomycetes				
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Background debris (1-4+)††	1+		2+	
Hyphal fragments/m3	< 13		< 13	
Pollen/m3	< 13		13	
Skin cells (1-4+)	< 1+		1+	
Sample volume (liters)	75		75	
§ TOTAL SPORES/m3		< 13		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: 21502001-1

Date of Sampling: 02-26-2015
 Date of Receipt: 02-27-2015
 Date of Report: 03-02-2015

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 21502001-1TM07OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: February in California† (n‡=17287)						Typical Outdoor Data for: The entire year in California† (n‡=214483)					
		very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	-	13	13	20	50	67	38	13	13	27	63	100	53
Bipolaris/Drechslera group	-	7	13	13	27	40	7	7	13	13	27	50	12
Chaetomium	-	7	13	13	27	40	9	8	13	13	27	50	19
Cladosporium	800	80	160	430	1,100	1,900	95	110	210	610	1,700	2,800	97
Curvularia	-	7	10	13	13	27	2	7	13	13	27	53	6
Epicoccum	13	7	13	13	27	53	14	8	13	13	38	53	19
Nigrospora	-	7	13	13	13	27	4	7	13	13	27	53	9
Penicillium/Aspergillus types	-	53	67	200	510	840	82	53	100	210	610	1,000	84
Stachybotrys	-	13	13	13	40	87	3	7	13	13	33	67	4
Torula	-	7	13	13	40	53	5	8	13	13	40	67	11
Seldom found growing indoors**													
Ascospores	-	27	53	160	530	960	72	25	53	110	370	700	71
Basidiospores	-	53	110	430	1,900	3,900	95	53	80	270	1,000	2,400	93
Oidium	53	13	13	13	40	67	14	13	13	13	47	75	19
Rusts	67	8	13	13	40	73	14	13	13	13	53	80	26
Smuts, Periconia, Myxomycetes	160	13	13	27	67	110	54	13	13	40	110	210	68
§ TOTAL SPORES/m3	1,100												

†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: 21502001-1

Date of Sampling: 02-26-2015
 Date of Receipt: 02-27-2015
 Date of Report: 03-02-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21502001-1TM07OUT:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Ascospores					< 13	77
Basidiospores					< 13	92
Cladosporium					800	90
Epicoccum					13	24
Oidium					53	11
Penicillium/Aspergillus types					< 13	68
Rusts					67	20
Smuts, Periconia, Myxomycetes					160	64
Total					1,100	

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: 21502001-1TM08

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 15%	dF: 8 Result: 7.1444 Critical value: 15.5073 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.1857 Critical value: 0.7714 Outside Similar: No	Score: 118 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Alternaria				
	Rusts				
	Smuts, Periconia, Myxomycetes				
	Total				

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21502001-1

Date of Sampling: 02-26-2015
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 Date of Report: 03-02-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21502001-1TM09

% 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: 8 Result: 7.1444 Critical value: 15.5073 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.2500 Critical value: 0.8000 Outside Similar: No	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Rusts					40
Total					40

Location: 21502001-1TM10

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 8%	dF: 8 Result: 7.1444 Critical value: 15.5073 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.4286 Critical value: 0.7714 Outside Similar: No	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Cladosporium					53
Rusts					27
Total					93

Location: 21502001-1TM11

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 4%	dF: 8 Result: 7.1444 Critical value: 15.5073 Inside Similar: Yes	Result: 0.7500	dF: 5 Result: 0.2000 Critical value: 0.8000 Outside Similar: No	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Oidium					13
Rusts					13
Smuts, Periconia, Myxomycetes					27
Total					53

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21502001-1

Date of Sampling: 02-26-2015
 Date of Receipt: 02-27-2015
 Date of Report: 03-02-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21502001-1TM12

% 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: 8 Result: 7.1444 Critical value: 15.5073 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: 21502001-1TM13

% 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: 8 Result: 7.1444 Critical value: 15.5073 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: 21502001-1TM14

% 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: 8 Result: 7.1444 Critical value: 15.5073 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.2500 Critical value: 0.8000 Outside Similar: No	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
		13		
Total		13		

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21502001-1

Date of Sampling: 02-26-2015
 Date of Receipt: 02-27-2015
 Date of Report: 03-02-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21502001-1TM15

% 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: 8 Result: 7.1444 Critical value: 15.5073 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: 21502001-1TM16

% 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: 8 Result: 7.1444 Critical value: 15.5073 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: -0.2857 Critical value: 0.7714 Outside Similar: No	Score: 108 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
Penicillium/Aspergillus types				53
Rusts				13
Total				67

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

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

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

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
Re: 21502001-1

Date of Sampling: 02-26-2015
Date of Receipt: 02-27-2015
Date of Report: 03-02-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

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

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

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21502001-1

Date of Sampling: 02-26-2015
 Date of Receipt: 02-27-2015
 Date of Report: 03-02-2015

MoldSCORE™: Spore Trap Report

Location: 21502001-1TM09

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					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					3	40				116
Smuts, Periconia, Myxomycetes					ND	< 13				100
Total						40				Final MoldSCORE 100

Location: 21502001-1TM10

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					1	13				105
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					2	27				110
Smuts, Periconia, Myxomycetes					ND	< 13				100
Total						93				Final MoldSCORE 105

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21502001-1

Date of Sampling: 02-26-2015
 Date of Receipt: 02-27-2015
 Date of Report: 03-02-2015

MoldSCORE™: Spore Trap Report

Location: 21502001-1TM11

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					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
Oidium					1	13				105
Rusts					1	13				104
Smuts, Periconia, Myxomycetes					2	27				105
Total						53				Final MoldSCORE 105

Location: 21502001-1TM12

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: 21502001-1

Date of Sampling: 02-26-2015
 Date of Receipt: 02-27-2015
 Date of Report: 03-02-2015

MoldSCORE™: Spore Trap Report

Location: 21502001-1TM13

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: 21502001-1TM14

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					ND	< 13	█			100
Total						13				
							Final MoldSCORE	100		

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
 Re: 21502001-1

Date of Sampling: 02-26-2015
 Date of Receipt: 02-27-2015
 Date of Report: 03-02-2015

MoldSCORE™: Spore Trap Report

Location: 21502001-1TM15

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					ND	< 13				100
Total						N/A				Final MoldSCORE 100

Location: 21502001-1TM16

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†	█				1	53				108
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores					ND	< 13				100
Basidiospores					ND	< 13				100
Rusts	█				1	13				104
Smuts, Periconia, Myxomycetes					ND	< 13				100
Total						67				Final MoldSCORE 108

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Lakhpreet Sandhu
Re: 21502001-1

Date of Sampling: 02-26-2015
Date of Receipt: 02-27-2015
Date of Report: 03-02-2015

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: 21502001-1
EML ID: 1331660

Approved by:

Technical Manager
Melissa Tracey

Dates of Analysis:
Spore trap analysis: 03-03-2015

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: 21502001-1Date of Sampling: 02-27-2015
Date of Receipt: 03-02-2015
Date of Report: 03-03-2015**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	21502001-1TM17OUT		21502001-1TM18		21502001-1TM19	
Comments (see below)	None		None		None	
Lab ID-Version‡:	6085001-1		6085002-1		6085003-1	
Analysis Date:	03/03/2015		03/03/2015		03/03/2015	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13				
Ascospores	10	530				
Basidiospores	11	590	1	53		
Chaetomium						
Cladosporium	95	5,100	1	53		
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Oidium	41	550	5	67		
Other brown						
Other colorless						
Penicillium/Aspergillus types†	2	110	1	53		
Pithomyces						
Rusts	4	53			1	13
Smuts, Periconia, Myxomycetes	16	210	3	40		
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		1+	
Hyphal fragments/m3	110		< 13		< 13	
Pollen/m3	110		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		< 1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		7,100		270		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: 21502001-1

Date of Sampling: 02-27-2015
 Date of Receipt: 03-02-2015
 Date of Report: 03-03-2015

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21502001-1TM20		21502001-1TM21		21502001-1TM22	
Comments (see below)	None		None		None	
Lab ID-Version‡:	6085004-1		6085005-1		6085006-1	
Analysis Date:	03/03/2015		03/03/2015		03/03/2015	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Ascospores						
Basidiospores						
Chaetomium						
Cladosporium	1	53				
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Oidium						
Other brown	1	13				
Other colorless						
Penicillium/Aspergillus types†	1	53				
Pithomyces						
Rusts	2	27				
Smuts, Periconia, Myxomycetes	1	13			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		160		< 13		13

Comments:

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

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

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

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 Re: 21502001-1

Date of Sampling: 02-27-2015
 Date of Receipt: 03-02-2015
 Date of Report: 03-03-2015

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21502001-1TM23		21502001-1TM24		21502001-1TM25	
Comments (see below)	None		None		None	
Lab ID-Version‡:	6085007-1		6085008-1		6085009-1	
Analysis Date:	03/03/2015		03/03/2015		03/03/2015	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Ascospores						
Basidiospores			1	53		
Chaetomium						
Cladosporium			1	53		
Curvularia			1	13		
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Oidium						
Other brown						
Other colorless						
Penicillium/Aspergillus types†			1	53		
Pithomyces						
Rusts			1	13	3	40
Smuts, Periconia, Myxomycetes			1	13	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		200		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.

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Re: 21502001-1

Date of Sampling: 02-27-2015
Date of Receipt: 03-02-2015
Date of Report: 03-03-2015

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 21502001-1TM17OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: February in California† (n‡=17287)						Typical Outdoor Data for: The entire year in California† (n‡=214483)					
		very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	13	13	13	20	50	67	38	13	13	27	63	100	53
Bipolaris/Drechslera group	-	7	13	13	27	40	7	7	13	13	27	50	12
Chaetomium	-	7	13	13	27	40	9	8	13	13	27	50	19
Cladosporium	5,100	80	160	430	1,100	1,900	95	110	210	610	1,700	2,800	97
Curvularia	-	7	10	13	13	27	2	7	13	13	27	53	6
Nigrospora	-	7	13	13	13	27	4	7	13	13	27	53	9
Other brown	-	11	13	13	27	50	29	13	13	13	40	53	34
Penicillium/Aspergillus types	110	53	67	200	510	840	82	53	100	210	610	1,000	84
Stachybotrys	-	13	13	13	40	87	3	7	13	13	33	67	4
Torula	-	7	13	13	40	53	5	8	13	13	40	67	11
Seldom found growing indoors**													
Ascospores	530	27	53	160	530	960	72	25	53	110	370	700	71
Basidiospores	590	53	110	430	1,900	3,900	95	53	80	270	1,000	2,400	93
Oidium	550	13	13	13	40	67	14	13	13	13	47	75	19
Rusts	53	8	13	13	40	73	14	13	13	13	53	80	26
Smuts, Periconia, Myxomycetes	210	13	13	27	67	110	54	13	13	40	110	210	68
§ TOTAL SPORES/m3	7,100												

†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.
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 Re: 21502001-1

Date of Sampling: 02-27-2015
 Date of Receipt: 03-02-2015
 Date of Report: 03-03-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21502001-1TM17OUT:

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	77
Basidiospores					18 - 450 - 24,000	92
Cladosporium					27 - 470 - 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: 21502001-1TM18

% 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: 7 Result: 14.4271 Critical value: 14.0671 Inside Similar: No	Result: 0.7692	dF: 8 Result: 0.6667 Critical value: 0.6190 Outside Similar: Yes	Score: 108 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Basidiospores				53
	Cladosporium				53
	Oidium				67
	Penicillium/Aspergillus types				53
	Smuts, Periconia, Myxomycetes				40
	Total				270

Client: Hygiene Technologies International, Inc.
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 Re: 21502001-1

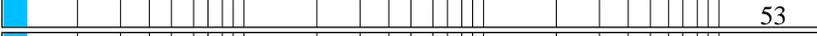
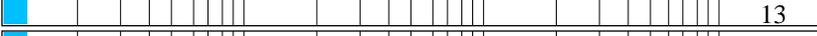
Date of Sampling: 02-27-2015
 Date of Receipt: 03-02-2015
 Date of Report: 03-03-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21502001-1TM19

% 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: 7 Result: 14.4271 Critical value: 14.0671 Inside Similar: No	Result: 0.2222	dF: 8 Result: 0.0952 Critical value: 0.6190 Outside Similar: No	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Rusts					13
Total					13

Location: 21502001-1TM20

% 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: 7 Result: 14.4271 Critical value: 14.0671 Inside Similar: No	Result: 0.6154	dF: 9 Result: 0.0000 Critical value: 0.5833 Outside Similar: No	Score: 108 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Other brown					13
Penicillium/Aspergillus types					53
Rusts					27
Smuts, Periconia, Myxomycetes					13
Total					160

Location: 21502001-1TM21

% 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: 7 Result: 14.4271 Critical value: 14.0671 Inside Similar: No	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

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 Re: 21502001-1

Date of Sampling: 02-27-2015
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 Date of Report: 03-03-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21502001-1TM22

% 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: 7 Result: 14.4271 Critical value: 14.0671 Inside Similar: No	Result: 0.2222	dF: 8 Result: 0.2857 Critical value: 0.6190 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Smuts, Periconia, Myxomycetes					13
Total					13

Location: 21502001-1TM23

% 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: 7 Result: 14.4271 Critical value: 14.0671 Inside Similar: No	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: 21502001-1TM24

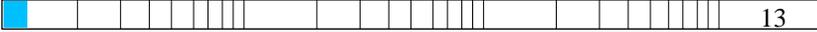
% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 2%	dF: 7 Result: 14.4271 Critical value: 14.0671 Inside Similar: No	Result: 0.7143	dF: 9 Result: 0.3500 Critical value: 0.5833 Outside Similar: No	Score: 108 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Cladosporium					53
Curvularia					13
Penicillium/Aspergillus types					53
Rusts					13
Smuts, Periconia, Myxomycetes					13
Total					200

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 Date of Report: 03-03-2015

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21502001-1TM25

% 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: 7 Result: 14.4271 Critical value: 14.0671 Inside Similar: No	Result: 0.4000	dF: 8 Result: -0.1012 Critical value: 0.6190 Outside Similar: No	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Rusts					40
Smuts, Periconia, Myxomycetes					13
Total					53

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

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

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

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

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Date of Sampling: 02-27-2015
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MoldSCORE™: Spore Trap Report

Location: 21502001-1TM19

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	█				1	13	█			105
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
Total						13				
							Final MoldSCORE			100

Location: 21502001-1TM20

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
Other brown	█				1	13	█			105
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	█				2	27	█			110
Smuts, Periconia, Myxomycetes	█				1	13	█			102
Total						160				
							Final MoldSCORE			108

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Date of Sampling: 02-27-2015
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 Date of Report: 03-03-2015

MoldSCORE™: Spore Trap Report

Location: 21502001-1TM21

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: 21502001-1TM22

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					1	13				103
Total						13				Final MoldSCORE 103

Client: Hygiene Technologies International, Inc.
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 Re: 21502001-1

Date of Sampling: 02-27-2015
 Date of Receipt: 03-02-2015
 Date of Report: 03-03-2015

MoldSCORE™: Spore Trap Report

Location: 21502001-1TM23

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					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: 21502001-1TM24

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	█				1	53	█			100
Curvularia	█				1	13	█			105
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	█				1	53	█			104
Rusts	█				1	13	█			105
Smuts, Periconia, Myxomycetes	█				1	13	█			101
Total						200				Final MoldSCORE 108

