



HYGIENETECH

Hygiene Technologies International, Inc.

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

August 19, 2013

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

Document No. 21307001.1

Attention: David Gau

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

Dear Mr. Gau:

On July 5, 10, 19, and 30, 2013, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted limited fungal growth exposure assessment surveys involving twenty two randomly selected areas located within the California State Board of Equalization (BOE) building. The findings of the surveys, along with the analytical data, conclusions, and recommendations when applicable, appear below.

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

As presented in Table 21307001-1, the airborne spore count data recorded showed fungal spore types outdoors such as *Alternaria*, ascospores, basidiospores, *Chaetomium*, *Cladosporium*, colorless spores typical of *Penicillium/Aspergillus* species, *Epicoccum*, *Nigrospora*, *Oidium*, other brown, rusts, smuts, and/or *Ulocladium*. In the indoor areas tested, the data showed that airborne fungal spores were either not detected at or above the laboratory detection limit indicated or were detected at low airborne concentrations. The fungal spore types found indoor included *Alternaria*, basidiospores, *Cladosporium*, colorless spores typical of *Penicillium/Aspergillus* species, *Curvularia*, *Nigrospora*, other brown, rusts, and/or smuts. 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



indicated. Note that fungal growth and exposure potentials may change due to changes in environmental conditions (such as those caused by water intrusion), use of mechanical systems, or other factors. Also be advised that additional fungal growth may exist at one or more locations in the structure that were not specifically assessed during the surveys.

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

Sincerely,

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

A handwritten signature in black ink, appearing to read "Kenny K. Hsi", is written over a horizontal line.

Kenny K. Hsi, CIH
Technical Director

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 21307001-1
AIRBORNE TOTAL FUNGI RESULTS
450 N STREET
SACRAMENTO, CALIFORNIA
JULY 5, 11, 19, AND 30, 2013

Page 1

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

SAMPLE NUMBER	21307001-1 TM01OUT	21307001-1 TM02	21307001-1 TM03	21307001-1 TM04
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 15 feet east of building; approximately five feet above ground/Normal outdoor activities	22 nd Floor; southeast stairwell area; about center; approximately five feet above floor/Normal office activities	19 th Floor; Break Room 1915; about center; approximately five feet above floor/Normal office activities	16 th Floor; northwest stairwell area; approximately five feet above floor/Normal office activities
DATE	07/05/13	07/05/13	07/05/13	07/05/13
START/STOP	16:09:00/16:14:00	16:20:00/16:25:00	16:27:00/16:32:00	16:34:00/16:39:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	320			
Ascospores	110			
Basidiospores	850			
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	11,000	13		53
Curvularia				
Epicoccum	13			
Fusarium				
Nigrospora				
Oidium				
Other brown				13
Other colorless	270			
Penicillium/Aspergillus types				
Pithomyces	190			
Rusts	290			
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	400	<13	<13	<13
Background debris*	2+	1+	1+	1+
TOTAL**	13,000	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+.

**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.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 21307001-1
AIRBORNE TOTAL FUNGI RESULTS
450 N STREET
SACRAMENTO, CALIFORNIA
JULY 5, 11, 19, AND 30, 2013

Page 2

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

SAMPLE NUMBER	21307001-1 TM05	21307001-1 TM06	21307001-1 TM07	21307001-1 TM08OUT
SAMPLING LOCATION/ACTIVITIES	10 th Floor; Break Room 1004; about center; approximately five feet above floor/Normal office activities	6 th Floor; Conference Room 611; about five feet southwest of entry door; approximately five feet above floor/Normal office activities	1 st Floor; Cafeteria; Café area; adjacent to cashier register; about center; approximately five feet above floor/Normal office activities	Outdoors; about 15 feet south of building; approximately five feet above ground/Normal outdoor activities
DATE	07/05/13	07/05/13	07/05/13	07/11/13
START/STOP	16:42:00/16:47:00	16:49:00/16:54:00	16:58:00/17:03:00	15:26:00/15:31:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	13			27
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				27
Cladosporium	53		110	2,600
Curvularia				
Epicoccum				
Fusarium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				110
Smuts (Periconia, Myxomycetes)	13			270
Stachybotrys				
Stemphylium				
Torula				
Trichocladium				
Ulocladium				13
Hyphal fragments	13	<13	<13	53
Background debris*	2+	1+	1+	2+
TOTAL**	80	<13	110	3,000

*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.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

**TABLE 21307001-1
AIRBORNE TOTAL FUNGI RESULTS
450 N STREET
SACRAMENTO, CALIFORNIA
JULY 5, 11, 19, AND 30, 2013**

Page 3

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

SAMPLE NUMBER	21307001-1 TM09	21307001-1 TM10	21307001-1 TM11	21307001-1 TM12
SAMPLING LOCATION/ACTIVITIES	3 rd Floor; Break Room 304; approximately five feet above floor/Normal office activities	7 th Floor; Room 7B; about center; approximately five feet above floor/Normal office activities	11 th Floor; about five feet south of Freight Elevator; approximately five feet above floor/Normal office activities	17 th Floor; Elevator Lobby; about center; approximately five feet above floor/Normal office activities
DATE	07/11/13	07/11/13	07/11/13	07/11/13
START/STOP	15:35:00/15:40:00	15:43:00/15:48:00	15:50:00/15:55:00	15:58:00/16:03:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				13
Arthrinium				
Ascospores				
Basidiospores			53	
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			210	
Curvularia				
Epicoccum				
Fusarium				
Nigrospora				13
Oidium				
Other brown			13	
Penicillium/Aspergillus types			370	
Pithomyces				
Rusts				13
Smuts (Periconia, Myxomycetes)	13		53	27
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	13	<13	<13	<13
Background debris*	1+	1+	2+	2+
TOTAL**	13	<13	710	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+.

**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.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 21307001-1
AIRBORNE TOTAL FUNGI RESULTS
450 N STREET
SACRAMENTO, CALIFORNIA
JULY 5, 11, 19, AND 30, 2013

Page 4

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

SAMPLE NUMBER	21307001-1 TM13	21307001-1 TM14OUT	21307001-1 TM15	21307001-1 TM16
SAMPLING LOCATION/ACTIVITIES	20 th Floor; Break Room 2008; about center; approximately five feet above floor/Normal office activities	Outdoors; southeast exterior corner of the building; about 10 feet south of building; approximately five feet above ground/Normal outdoor activities	4 th Floor; about four feet south of Freight Elevator; approximately five feet above floor/Normal office activities	5 th Floor; Break Room 507; about center; approximately five feet above floor/Normal office activities
DATE	07/11/13	07/19/13	07/19/13	07/19/13
START/STOP	15:33:00/15:38:00	15:59:00/16:04:00	16:08:00/16:13:00	16:15:00/16:20:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	13	67		
Arthrinium				
Ascospores		160		
Basidiospores	53	850		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium		13		
Cladosporium	160	4,100	13	
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium		110		
Other brown	13			
Penicillium/Aspergillus types	53	910	27	
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)		250	13	
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Hyphal fragments	13	80	13	13
Background debris*	2+	2+	2+	1+
TOTAL**	290	6,500	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+.

**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.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 21307001-1
AIRBORNE TOTAL FUNGI RESULTS
450 N STREET
SACRAMENTO, CALIFORNIA
JULY 5, 11, 19, AND 30, 2013

Page 5

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

SAMPLE NUMBER	21307001-1 TM17	21307001-1 TM18	21307001-1 TM19	21307001-1 TM20OUT
SAMPLING LOCATION/ACTIVITIES	9 th Floor; Column L22 area; Cubicle 93; entry area;; approximately five feet above floor/Normal office activities	15 th Floor; Column N22 area; cubicle immediately northwest of Column N22; about center; approximately five feet above floor/Normal office activities	21 st Floor; Area between Column L22 and M22; about center; approximately five feet above floor/Normal office activities	Outdoors; about 15 feet south of building; approximately five feet above ground/Normal outdoor activities
DATE	07/19/13	07/19/13	07/19/13	07/30/13
START/STOP	16:25:00/16:30:00	16:32:00/16:37:00	16:41:00/16:46:00	10:31:00/10:36:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				13
Arthrinium				
Ascospores				53
Basidiospores				
Bipolaris/Drechslera group				320
Botrytis				
Chaetomium				13
Cladosporium	53		53	2,200
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				13
Oidium				
Other brown		13		13
Penicillium/Aspergillus types				2,000
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)	13			450
Stachybotrys				
Torula				
Ulocladium				
Zygomycetes				
Hyphal fragments	<13	<13	<13	53
Background debris*	2+	2+	2+	2+
TOTAL**	67	13	53	5,100

*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.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 21307001-1
AIRBORNE TOTAL FUNGI RESULTS
450 N STREET
SACRAMENTO, CALIFORNIA
JULY 5, 11, 19, AND 30, 2013

Page 6

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

SAMPLE NUMBER	21307001-1 TM21	21307001-1 TM22	21307001-1 TM23	21307001-1 TM24
SAMPLING LOCATION/ACTIVITIES	24 th Floor; Room 2419; about center; approximately five feet above floor/Normal office activities	23 rd Floor; southeast corner hallway; about two feet west of Copy Room 2303 entry door; approximately five feet above floor/Normal office activities	18 th Floor; Mail Room 18B; about center; approximately five feet above floor/Normal office activities	14 th Floor; Elevator Lobby; about center; approximately five feet above floor/Normal office activities
DATE	07/25/13	07/25/13	07/25/13	07/25/13
START/STOP	10:44:00/10:49:00	10:54:00/10:59:00	11:21:00/11:26:00	11:30:00/11:35:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria		13		
Arthrinium				
Ascospores				
Basidiospores	53	53		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53			53
Curvularia	13			
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				13
Smuts (Periconia, Myxomycetes)				13
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background debris*	1+	2+	1+	2+
TOTAL**	120	67	<13	80

*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.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 21307001-1
AIRBORNE TOTAL FUNGI RESULTS
450 N STREET
SACRAMENTO, CALIFORNIA
JULY 5, 11, 19, AND 30, 2013

Page 7

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

SAMPLE NUMBER	21307001-1 TM25	21307001-1 TM26		
SAMPLING LOCATION/ACTIVITIES	8 th Floor; Column K19 area; about five feet south of Room 810 entry door; approximately five feet above floor/Normal office activities	2 nd Floor; northwest stairwell area; approximately five feet above floor/Normal office activities	This column intentionally left blank.	This column intentionally left blank.
DATE	07/25/13	07/25/13		
START/STOP	11:39:00/11:44:00	11:57:00/12:02:00		
SAMPLE TIME	5 minutes	5 minutes		
Alternaria				
Arthrinium				
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		53		
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts		13		
Smuts (Periconia, Myxomycetes)		27		
Stachybotrys				
Torula				
Ulocladium				
Zygomycetes				
Hyphal fragments	<13	<13		
Background debris*	2+	2+		
TOTAL**	<13	93		

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

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



Report for:

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

Regarding: Project: 21307001-1
EML ID: 1083507

Approved by:

Technical Manager
Melissa Tracey

REVISED REPORT

Dates of Analysis:
Spore trap analysis: 07-10-2013

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

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

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

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21307001-1

Date of Sampling: 07-05-2013
Date of Receipt: 07-08-2013
Date of Report: 07-09-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21307001-1 TM01 OUT		21307001-1 TM02		21307001-1 TM03		21307001-1 TM04	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	4881998-2		4881999-2		4882000-2		4882001-2	
Analysis Date:	07/10/2013		07/10/2013		07/10/2013		07/10/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	24	320						
Ascospores	2	110						
Basidiospores	16	850						
Chaetomium								
Cladosporium	197	11,000	1	13			1	53
Curvularia								
Epicoccum	1	13						
Fusarium								
Myrothecium								
Nigrospora								
Other brown							1	13
Other colorless								
Penicillium/Aspergillus types†	5	270						
Pithomyces								
Rusts	14	190						
Smuts, Periconia, Myxomycetes	22	290						
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		1+		1+		1+	
Hyphal fragments/m3	400		< 13		< 13		< 13	
Pollen/m3	160		< 13		13		< 13	
Skin cells (1-4+)	< 1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		13,000		13		< 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. Larry Sandhu
Re: 21307001-1

Date of Sampling: 07-05-2013
Date of Receipt: 07-08-2013
Date of Report: 07-09-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21307001-1 TM05		21307001-1 TM06		21307001-1 TM07	
Comments (see below)	None		None		None	
Lab ID-Version‡:	4882002-2		4882003-2		4882004-2	
Analysis Date:	07/10/2013		07/10/2013		07/10/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13				
Ascospores						
Basidiospores						
Chaetomium						
Cladosporium	1	53			2	110
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other brown						
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes	1	13				
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		1+		1+	
Hyphal fragments/m3	13		< 13		< 13	
Pollen/m3	13		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		80		< 13		110

Comments:

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

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

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

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

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

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

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

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21307001-1

Date of Sampling: 07-05-2013
Date of Receipt: 07-08-2013
Date of Report: 07-09-2013

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 21307001-1 TM01 OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: July in California (n‡=15699)†						Typical Outdoor Data for: The entire year in California (n‡=18814)†					
		very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	320	13	13	27	67	93	63	13	13	27	67	110	54
Bipolaris/Drechslera group	-	7	13	13	27	44	14	7	13	13	27	40	12
Chaetomium	-	8	13	13	27	44	26	8	13	13	27	47	19
Cladosporium	11,000	160	270	670	1,500	2,300	98	110	210	630	1,700	2,800	97
Curvularia	-	7	13	13	33	53	8	7	13	13	27	53	6
Epicoccum	13	8	13	13	40	54	25	8	13	13	33	53	19
Nigrospora	-	7	13	13	20	40	6	7	13	13	27	53	8
Other brown	-	13	13	13	40	53	37	13	13	13	40	53	34
Penicillium/Aspergillus types	270	53	100	210	590	930	86	53	100	210	590	1,000	85
Stachybotrys	-	7	13	13	40	74	5	7	13	13	33	67	4
Torula	-	8	13	13	40	60	16	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	110	13	40	80	210	370	68	25	53	110	360	690	71
Basidiospores	850	33	53	160	370	640	89	53	80	270	1,000	2,400	93
Rusts	190	13	13	13	53	80	29	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	290	13	13	47	120	200	72	13	13	40	110	200	68
§ TOTAL SPORES/m3	13,000												

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

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

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

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

‡n = number of samples used to calculate data.

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

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-05-2013
 Date of Receipt: 07-08-2013
 Date of Report: 07-09-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21307001-1 TM01 OUT:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Alternaria					7 - 33 - 570	46
Ascospores					13 - 200 - 5,600	77
Basidiospores					13 - 440 - 23,000	92
Cladosporium					27 - 480 - 10,000	91
Epicoccum					7 - 20 - 330	25
Penicillium/Aspergillus types					13 - 170 - 2,700	69
Rusts					7 - 20 - 350	20
Smuts, Periconia, Myxomycetes					7 - 53 - 1,000	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: 21307001-1 TM02

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 5 Result: 4.7143 Critical value: 11.0705 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.6667 Critical value: 0.6190 Outside Similar: Yes	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Cladosporium				13
	Total				13

Location: 21307001-1 TM03

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 5 Result: 4.7143 Critical value: 11.0705 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	None Detected				< 13

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-05-2013
 Date of Receipt: 07-08-2013
 Date of Report: 07-09-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21307001-1 TM04

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 5 Result: 4.7143 Critical value: 11.0705 Inside Similar: Yes	Result: 0.2000	dF: 9 Result: 0.3000 Critical value: 0.5833 Outside Similar: No	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Other brown					13
Total					67

Location: 21307001-1 TM05

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 5 Result: 4.7143 Critical value: 11.0705 Inside Similar: Yes	Result: 0.5455	dF: 8 Result: 0.7083 Critical value: 0.6190 Outside Similar: Yes	Score: 107 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Cladosporium					53
Smuts, Periconia, Myxomycetes					13
Total					80

Location: 21307001-1 TM06

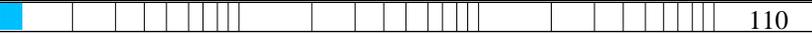
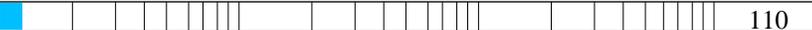
% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 5 Result: 4.7143 Critical value: 11.0705 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected					< 13

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-05-2013
 Date of Receipt: 07-08-2013
 Date of Report: 07-09-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21307001-1 TM07

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 5 Result: 4.7143 Critical value: 11.0705 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.6667 Critical value: 0.6190 Outside Similar: Yes	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					110
Total					110

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

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

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

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

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

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-05-2013
 Date of Receipt: 07-08-2013
 Date of Report: 07-09-2013

MoldSCORE™: Spore Trap Report

Outdoor Sample: 21307001-1 TM01 OUT

Fungi Identified	Outdoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
Generally able to grow indoors*						
Alternaria					24	320
Bipolaris/Drechslera group					ND	< 13
Chaetomium					ND	< 13
Cladosporium					197	11,000
Curvularia					ND	< 13
Epicoccum					1	13
Nigrospora					ND	< 13
Penicillium/Aspergillus types†					5	270
Stachybotrys					ND	< 13
Torula					ND	< 13
Seldom found growing indoors**						
Ascospores					2	110
Basidiospores					16	850
Rusts					14	190
Smuts, Periconia, Myxomycetes					22	290
Total						12,547

Location: 21307001-1 TM02

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

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

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-05-2013
 Date of Receipt: 07-08-2013
 Date of Report: 07-09-2013

MoldSCORE™: Spore Trap Report

Location: 21307001-1 TM03

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

Location: 21307001-1 TM04

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

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-05-2013
 Date of Receipt: 07-08-2013
 Date of Report: 07-09-2013

MoldSCORE™: Spore Trap Report

Location: 21307001-1 TM05

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria	█				1	13	█			104
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				1	53	█			100
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes	█				1	13	█			102
Total						80				Final MoldSCORE 107

Location: 21307001-1 TM06

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

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-05-2013
 Date of Receipt: 07-08-2013
 Date of Report: 07-09-2013

MoldSCORE™: Spore Trap Report

Location: 21307001-1 TM07

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium					2	110	█			101
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes					ND	< 13	█			100
Total						107				Final MoldSCORE 101

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

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

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

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



Report for:

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

Regarding: Project: 21307001-1
EML ID: 1086090

Approved by:

Technical Manager
Melissa Tracey

Dates of Analysis:
Spore trap analysis: 07-15-2013

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

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

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

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21307001-1

Date of Sampling: 07-11-2013
Date of Receipt: 07-15-2013
Date of Report: 07-15-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21307001-1 TM08 OUT		21307001-1 TM09		21307001-1 TM10	
Comments (see below)	None		None		None	
Lab ID-Version‡:	4894288-1		4894289-1		4894290-1	
Analysis Date:	07/15/2013		07/15/2013		07/15/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	2	27				
Ascospores						
Basidiospores						
Botrytis						
Chaetomium	2	27				
Cladosporium	48	2,600				
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other brown						
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts	8	110				
Smuts, Periconia, Myxomycetes	20	270	1	13		
Stachybotrys						
Stemphylium						
Torula						
Ulocladium	1	13				
Zygomycetes						
Background debris (1-4+)††	2+		1+		1+	
Hyphal fragments/m3	53		13		< 13	
Pollen/m3	110		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		3,000		13		< 13

Comments:

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

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

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

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21307001-1Date of Sampling: 07-11-2013
Date of Receipt: 07-15-2013
Date of Report: 07-15-2013**SPORE TRAP REPORT: NON-VIABLE METHODOLOGY**

Location:	21307001-1 TM11		21307001-1 TM12		21307001-1 TM13	
Comments (see below)	None		None		None	
Lab ID-Version‡:	4894291-1		4894292-1		4894293-1	
Analysis Date:	07/15/2013		07/15/2013		07/15/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria			1	13	1	13
Ascospores						
Basidiospores	1	53			1	53
Botrytis						
Chaetomium						
Cladosporium	4	210			3	160
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora			1	13		
Other brown	1	13			1	13
Other colorless						
Penicillium/Aspergillus types†	7	370			1	53
Pithomyces						
Rusts			1	13		
Smuts, Periconia, Myxomycetes	4	53	2	27		
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		13	
Pollen/m3	< 13		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		710		67		290

Comments:

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

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

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

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

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

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

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

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21307001-1

Date of Sampling: 07-11-2013
Date of Receipt: 07-15-2013
Date of Report: 07-15-2013

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 21307001-1 TM08 OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: July in California (n‡=15699)†						Typical Outdoor Data for: The entire year in California (n‡=18814)†					
		very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	27	13	13	27	67	93	63	13	13	27	67	110	54
Bipolaris/Drechslera group	-	7	13	13	27	44	14	7	13	13	27	40	12
Chaetomium	27	8	13	13	27	44	26	8	13	13	27	47	19
Cladosporium	2,600	160	270	670	1,500	2,300	98	110	210	630	1,700	2,800	97
Curvularia	-	7	13	13	33	53	8	7	13	13	27	53	6
Nigrospora	-	7	13	13	20	40	6	7	13	13	27	53	8
Other brown	-	13	13	13	40	53	37	13	13	13	40	53	34
Penicillium/Aspergillus types	-	53	100	210	590	930	86	53	100	210	590	1,000	85
Stachybotrys	-	7	13	13	40	74	5	7	13	13	33	67	4
Torula	-	8	13	13	40	60	16	8	13	13	40	67	12
Ulocladium	13	8	13	13	27	40	10	8	13	13	27	40	10
Seldom found growing indoors**													
Ascospores	-	13	40	80	210	370	68	25	53	110	360	690	71
Basidiospores	-	33	53	160	370	640	89	53	80	270	1,000	2,400	93
Rusts	110	13	13	13	53	80	29	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	270	13	13	47	120	200	72	13	13	40	110	200	68
§ TOTAL SPORES/m3	3,000												

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

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

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

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

‡n = number of samples used to calculate data.

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

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-11-2013
 Date of Receipt: 07-15-2013
 Date of Report: 07-15-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21307001-1 TM08 OUT:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Alternaria				27	7 - 33 - 580	46
Ascospores				<13	13 - 200 - 5,600	76
Basidiospores				<13	13 - 440 - 23,000	92
Chaetomium				27	7 - 13 - 160	10
Cladosporium				2,600	27 - 480 - 10,000	91
Penicillium/Aspergillus types				<13	13 - 170 - 2,700	69
Rusts				110	7 - 20 - 350	20
Smuts, Periconia, Myxomycetes				270	7 - 53 - 1,000	64
Ulocladium				13	7 - 13 - 93	4
Total				3,000		

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

Indoor Samples

Location: 21307001-1 TM09

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 4 Result: 8.1750 Critical value: 9.4877 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.5571 Critical value: 0.7714 Outside Similar: No	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Smuts, Periconia, Myxomycetes				13
	Total				13

Location: 21307001-1 TM10

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 4 Result: 8.1750 Critical value: 9.4877 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	None Detected				< 13

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-11-2013
 Date of Receipt: 07-15-2013
 Date of Report: 07-15-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21307001-1 TM11

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 22%	dF: 4 Result: 8.1750 Critical value: 9.4877 Inside Similar: Yes	Result: 0.3636	dF: 9 Result: -0.0167 Critical value: 0.5833 Outside Similar: No	Score: 158 Result: Medium	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Cladosporium					210
Other brown					13
Penicillium/Aspergillus types					370
Smuts, Periconia, Myxomycetes					53
Total					710

Location: 21307001-1 TM12

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 2%	dF: 4 Result: 8.1750 Critical value: 9.4877 Inside Similar: Yes	Result: 0.6000	dF: 7 Result: 0.1696 Critical value: 0.6786 Outside Similar: No	Score: 114 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Nigrospora					13
Rusts					13
Smuts, Periconia, Myxomycetes					27
Total					67

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-11-2013
 Date of Receipt: 07-15-2013
 Date of Report: 07-15-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21307001-1 TM13

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 9%	dF: 4 Result: 8.1750 Critical value: 9.4877 Inside Similar: Yes	Result: 0.3636	dF: 9 Result: -0.1208 Critical value: 0.5833 Outside Similar: No	Score: 109 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Basidiospores					53
Cladosporium					160
Other brown					13
Penicillium/Aspergillus types					53
Total					290

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

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

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

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

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

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-11-2013
 Date of Receipt: 07-15-2013
 Date of Report: 07-15-2013

MoldSCORE™: Spore Trap Report

Outdoor Sample: 21307001-1 TM08 OUT

Fungi Identified	Outdoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
Generally able to grow indoors*						
Alternaria					2	27
Bipolaris/Drechslera group					ND	< 13
Chaetomium					2	27
Cladosporium					48	2,600
Curvularia					ND	< 13
Nigrospora					ND	< 13
Penicillium/Aspergillus types†					ND	< 13
Stachybotrys					ND	< 13
Torula					ND	< 13
Ulocladium					1	13
Seldom found growing indoors**						
Ascospores					ND	< 13
Basidiospores					ND	< 13
Rusts					8	110
Smuts, Periconia, Myxomycetes					20	270
Total						3,000

Location: 21307001-1 TM09

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

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

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-11-2013
 Date of Receipt: 07-15-2013
 Date of Report: 07-15-2013

MoldSCORE™: Spore Trap Report

Location: 21307001-1 TM10

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: 21307001-1 TM11

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	█				4	210				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Other brown	█				1	13				105
Penicillium/Aspergillus types†	█	█			7	370	█	█	█	158
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores					ND	< 13				100
Basidiospores	█				1	53				106
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes	█				4	53				100
Total						707				Final MoldSCORE 158

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-11-2013
 Date of Receipt: 07-15-2013
 Date of Report: 07-15-2013

MoldSCORE™: Spore Trap Report

Location: 21307001-1 TM12

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				
Bipolaris/Drechslera group					ND	< 13				
Chaetomium					ND	< 13				
Cladosporium					ND	< 13				
Curvularia					ND	< 13				
Nigrospora					1	13				
Penicillium/Aspergillus types†					ND	< 13				
Stachybotrys					ND	< 13				
Torula					ND	< 13				
Seldom found growing indoors**										
Ascospores					ND	< 13				
Basidiospores					ND	< 13				
Rusts					1	13				
Smuts, Periconia, Myxomycetes					2	27				
Total						67	Final MoldSCORE 114			

Location: 21307001-1 TM13

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				
Bipolaris/Drechslera group					ND	< 13				
Chaetomium					ND	< 13				
Cladosporium					3	160				
Curvularia					ND	< 13				
Nigrospora					ND	< 13				
Other brown					1	13				
Penicillium/Aspergillus types†					1	53				
Stachybotrys					ND	< 13				
Torula					ND	< 13				
Seldom found growing indoors**										
Ascospores					ND	< 13				
Basidiospores					1	53				
Rusts					ND	< 13				
Smuts, Periconia, Myxomycetes					ND	< 13				
Total						293	Final MoldSCORE 109			

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21307001-1

Date of Sampling: 07-11-2013
Date of Receipt: 07-15-2013
Date of Report: 07-15-2013

MoldSCORE™: Spore Trap Report

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

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

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

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



Report for:

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

Regarding: Project: 21307001-1
EML ID: 1089460

Approved by:

Technical Manager
Melissa Tracey

Dates of Analysis:
Spore trap analysis: 07-23-2013

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

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

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

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-19-2013
 Date of Receipt: 07-22-2013
 Date of Report: 07-23-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21307001-1 TM14OUT		21307001-1 TM15		21307001-1 TM16	
Comments (see below)	None		None		None	
Lab ID-Version‡:	4910293-1		4910294-1		4910295-1	
Analysis Date:	07/23/2013		07/23/2013		07/23/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	5	67				
Ascospores	3	160				
Basidiospores	16	850				
Chaetomium	1	13				
Cladosporium	77	4,100	1	13		
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Oidium	8	110				
Other brown						
Other colorless						
Penicillium/Aspergillus types†	17	910	2	27		
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes	19	250	1	13		
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		1+	
Hyphal fragments/m3	80		13		13	
Pollen/m3	67		13		< 13	
Skin cells (1-4+)	< 1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		6,500		53		< 13

Comments:

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

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

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

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

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

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

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

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-19-2013
 Date of Receipt: 07-22-2013
 Date of Report: 07-23-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21307001-1 TM17		21307001-1 TM18		21307001-1 TM19	
Comments (see below)	None		None		None	
Lab ID-Version‡:	4910296-1		4910297-1		4910298-1	
Analysis Date:	07/23/2013		07/23/2013		07/23/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Ascospores						
Basidiospores						
Chaetomium						
Cladosporium	1	53			1	53
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Oidium						
Other brown			1	13		
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes	1	13				
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		67		13		53

Comments:

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

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

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

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21307001-1

Date of Sampling: 07-19-2013
Date of Receipt: 07-22-2013
Date of Report: 07-23-2013

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 21307001-1 TM14OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: July in California (n‡=15699)†						Typical Outdoor Data for: The entire year in California (n‡=18814)†					
		very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	67	13	13	27	67	93	63	13	13	27	67	110	54
Bipolaris/Drechslera group	-	7	13	13	27	44	14	7	13	13	27	40	12
Chaetomium	13	8	13	13	27	44	26	8	13	13	27	47	19
Cladosporium	4,100	160	270	670	1,500	2,300	98	110	210	630	1,700	2,800	97
Curvularia	-	7	13	13	33	53	8	7	13	13	27	53	6
Nigrospora	-	7	13	13	20	40	6	7	13	13	27	53	8
Other brown	-	13	13	13	40	53	37	13	13	13	40	53	34
Penicillium/Aspergillus types	910	53	100	210	590	930	86	53	100	210	590	1,000	85
Stachybotrys	-	7	13	13	40	74	5	7	13	13	33	67	4
Torula	-	8	13	13	40	60	16	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	160	13	40	80	210	370	68	25	53	110	360	690	71
Basidiospores	850	33	53	160	370	640	89	53	80	270	1,000	2,400	93
Oidium	110	13	13	13	40	67	22	13	13	13	40	75	19
Rusts	-	13	13	13	53	80	29	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	250	13	13	47	120	200	72	13	13	40	110	200	68
§ TOTAL SPORES/m3	6,500												

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

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

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

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

‡n = number of samples used to calculate data.

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

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-19-2013
 Date of Receipt: 07-22-2013
 Date of Report: 07-23-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21307001-1 TM14OUT:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Alternaria				67	7 - 33 - 580	46
Ascospores				160	13 - 200 - 5,600	76
Basidiospores				850	13 - 440 - 23,000	92
Chaetomium				13	7 - 13 - 160	10
Cladosporium				4,100	27 - 480 - 10,000	91
Oidium				110	7 - 13 - 240	12
Penicillium/Aspergillus types				910	13 - 170 - 2,700	69
Smuts, Periconia, Myxomycetes				250	7 - 53 - 1,000	64
Total				6,500		

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

Indoor Samples

Location: 21307001-1 TM15

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 4 Result: 2.6500 Critical value: 9.4877 Inside Similar: Yes	Result: 0.5455	dF: 8 Result: 0.7560 Critical value: 0.6190 Outside Similar: Yes	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Cladosporium				13
	Penicillium/Aspergillus types				27
	Smuts, Periconia, Myxomycetes				13
	Total				53

Location: 21307001-1 TM16

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 4 Result: 2.6500 Critical value: 9.4877 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	None Detected				< 13

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-19-2013
 Date of Receipt: 07-22-2013
 Date of Report: 07-23-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21307001-1 TM17

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 1%	dF: 4 Result: 2.6500 Critical value: 9.4877 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.6250 Critical value: 0.6190 Outside Similar: Yes	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Smuts, Periconia, Myxomycetes					13
Total					67

Location: 21307001-1 TM18

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 4 Result: 2.6500 Critical value: 9.4877 Inside Similar: Yes	Result: 0.0000	dF: 9 Result: 0.0500 Critical value: 0.5833 Outside Similar: No	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Other brown					13
Total					13

Location: 21307001-1 TM19

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 4 Result: 2.6500 Critical value: 9.4877 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.6667 Critical value: 0.6190 Outside Similar: Yes	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Total					53

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

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21307001-1

Date of Sampling: 07-19-2013
Date of Receipt: 07-22-2013
Date of Report: 07-23-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

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

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

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

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

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-19-2013
 Date of Receipt: 07-22-2013
 Date of Report: 07-23-2013

MoldSCORE™: Spore Trap Report

Outdoor Sample: 21307001-1 TM14OUT

Fungi Identified	Outdoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
Generally able to grow indoors*						
Alternaria					5	67
Bipolaris/Drechslera group					ND	< 13
Chaetomium					1	13
Cladosporium					77	4,100
Curvularia					ND	< 13
Nigrospora					ND	< 13
Penicillium/Aspergillus types†					17	910
Stachybotrys					ND	< 13
Torula					ND	< 13
Seldom found growing indoors**						
Ascospores					3	160
Basidiospores					16	850
Oidium					8	110
Rusts					ND	< 13
Smuts, Periconia, Myxomycetes					19	250
Total						6,467

Location: 21307001-1 TM15

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

MoldSCORE‡			
100	200	300	Score
			100
			100
			100
			100
			100
			100
			103
			100
			100
			100
			100
			100
			102
Final MoldSCORE			103

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-19-2013
 Date of Receipt: 07-22-2013
 Date of Report: 07-23-2013

MoldSCORE™: Spore Trap Report

Location: 21307001-1 TM16

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: 21307001-1 TM17

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					1	53				101
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†					ND	< 13				100
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores					ND	< 13				100
Basidiospores					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes					1	13				102
Total						67				Final MoldSCORE 102

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-19-2013
 Date of Receipt: 07-22-2013
 Date of Report: 07-23-2013

MoldSCORE™: Spore Trap Report

Location: 21307001-1 TM18

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

Location: 21307001-1 TM19

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

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21307001-1

Date of Sampling: 07-19-2013
Date of Receipt: 07-22-2013
Date of Report: 07-23-2013

MoldSCORE™: Spore Trap Report

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

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

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

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



Report for:

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

Regarding: Project: 21307001-1
EML ID: 1093219

Approved by:

Technical Manager
Melissa Tracey

Dates of Analysis:
Spore trap analysis: 07-30-2013

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

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

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

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-30-2013
 Date of Receipt: 07-30-2013
 Date of Report: 07-31-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21307001-1 TM20 OUT	21307001-1 TM21	21307001-1 TM22	21307001-1 TM23
Comments (see below)	None	None	None	None
Lab ID-Version‡:	4928395-1	4928396-1	4928397-1	4928398-1
Analysis Date:	07/30/2013	07/30/2013	07/30/2013	07/30/2013
	raw ct. spores/m3	raw ct. spores/m3	raw ct. spores/m3	raw ct. spores/m3
Alternaria	1 13		1 13	
Ascospores	1 53			
Basidiospores	6 320	1 53	1 53	
Chaetomium	1 13			
Cladosporium	42 2,200	1 53		
Curvularia		1 13		
Fusarium				
Myrothecium				
Nigrospora	1 13			
Other brown	1 13			
Other colorless				
Penicillium/Aspergillus types†	38 2,000			
Pithomyces				
Rusts				
Smuts, Periconia, Myxomycetes	34 450			
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	2+	1+	2+	1+
Hyphal fragments/m3	53	< 13	< 13	< 13
Pollen/m3	80	< 13	< 13	< 13
Skin cells (1-4+)	< 1+	< 1+	1+	1+
Sample volume (liters)	75	75	75	75
§ TOTAL SPORES/m3		5,100	120	67
				< 13

Comments:

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

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

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

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

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

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

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

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21307001-1

Date of Sampling: 07-30-2013
Date of Receipt: 07-30-2013
Date of Report: 07-31-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21307001-1 TM24		21307001-1 TM25		21307001-1 TM26	
Comments (see below)	None		None		None	
Lab ID-Version‡:	4928399-1		4928400-1		4928401-1	
Analysis Date:	07/30/2013		07/30/2013		07/30/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Ascospores						
Basidiospores						
Chaetomium						
Cladosporium	1	53			1	53
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other brown						
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts	1	13			1	13
Smuts, Periconia, Myxomycetes	1	13			2	27
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		< 13	
Pollen/m3	13		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		80		< 13		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. Larry Sandhu
Re: 21307001-1

Date of Sampling: 07-30-2013
Date of Receipt: 07-30-2013
Date of Report: 07-31-2013

MoldRANGE™: Extended Outdoor Comparison
Outdoor Location: 21307001-1 TM20 OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: July in California (n‡=15699)†						Typical Outdoor Data for: The entire year in California (n‡=18814)†					
		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	27	67	93	63	13	13	27	67	110	54
Bipolaris/Drechslera group	-	7	13	13	27	44	14	7	13	13	27	40	12
Chaetomium	13	8	13	13	27	44	26	8	13	13	27	47	19
Cladosporium	2,200	160	270	670	1,500	2,300	98	110	210	630	1,700	2,800	97
Curvularia	-	7	13	13	33	53	8	7	13	13	27	53	6
Nigrospora	13	7	13	13	20	40	6	7	13	13	27	53	8
Other brown	13	13	13	13	40	53	37	13	13	13	40	53	34
Penicillium/Aspergillus types	2,000	53	100	210	590	930	86	53	100	210	590	1,000	85
Stachybotrys	-	7	13	13	40	74	5	7	13	13	33	67	4
Torula	-	8	13	13	40	60	16	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	53	13	40	80	210	370	68	25	53	110	360	690	71
Basidiospores	320	33	53	160	370	640	89	53	80	270	1,000	2,400	93
Rusts	-	13	13	13	53	80	29	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	450	13	13	47	120	200	72	13	13	40	110	200	68
§ TOTAL SPORES/m3	5,100												

†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. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-30-2013
 Date of Receipt: 07-30-2013
 Date of Report: 07-31-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21307001-1 TM20 OUT:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Alternaria				13	7 - 33 - 580	46
Ascospores				53	13 - 200 - 5,600	76
Basidiospores				320	13 - 440 - 23,000	92
Chaetomium				13	7 - 13 - 160	10
Cladosporium				2,200	27 - 480 - 10,000	91
Nigrospora				13	7 - 13 - 230	16
Other brown				13	7 - 13 - 120	24
Penicillium/Aspergillus types				2,000	13 - 170 - 2,700	69
Smuts, Periconia, Myxomycetes				450	7 - 53 - 1,000	64
Total				5,100		

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: 21307001-1 TM21

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 2%	dF: 5 Result: 4.6667 Critical value: 11.0705 Inside Similar: Yes	Result: 0.3333	dF: 10 Result: 0.3848 Critical value: 0.5515 Outside Similar: No	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Basidiospores				53
	Cladosporium				53
	Curvularia				13
	Total				120

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-30-2013
 Date of Receipt: 07-30-2013
 Date of Report: 07-31-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21307001-1 TM22

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 1%	dF: 5 Result: 4.6667 Critical value: 11.0705 Inside Similar: Yes	Result: 0.3636	dF: 9 Result: 0.1917 Critical value: 0.5833 Outside Similar: No	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Basidiospores					53
Total					67

Location: 21307001-1 TM23

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: < 1%	dF: 5 Result: 4.6667 Critical value: 11.0705 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected					< 13

Location: 21307001-1 TM24

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 1%	dF: 5 Result: 4.6667 Critical value: 11.0705 Inside Similar: Yes	Result: 0.3333	dF: 10 Result: 0.4212 Critical value: 0.5515 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Rusts					13
Smuts, Periconia, Myxomycetes					13
Total					80

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-30-2013
 Date of Receipt: 07-30-2013
 Date of Report: 07-31-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21307001-1 TM25

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 5 Result: 4.6667 Critical value: 11.0705 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
None Detected				
		< 13		

Location: 21307001-1 TM26

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 5 Result: 4.6667 Critical value: 11.0705 Inside Similar: Yes	Result: 0.3333	dF: 10 Result: 0.4606 Critical value: 0.5515 Outside Similar: No	Score: 104 Result: Low
Species Detected		Spores/m3		
		<100	1K	10K
				>100K
Cladosporium		53		
Rusts		13		
Smuts, Periconia, Myxomycetes		27		
Total		93		

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

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

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

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21307001-1

Date of Sampling: 07-30-2013
Date of Receipt: 07-30-2013
Date of Report: 07-31-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

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

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

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-30-2013
 Date of Receipt: 07-30-2013
 Date of Report: 07-31-2013

MoldSCORE™: Spore Trap Report

Outdoor Sample: 21307001-1 TM20 OUT

Fungi Identified	Outdoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
Generally able to grow indoors*						
Alternaria	█				1	13
Bipolaris/Drechslera group					ND	< 13
Chaetomium	█				1	13
Cladosporium	██████████				42	2,200
Curvularia					ND	< 13
Nigrospora	█				1	13
Other brown	█				1	13
Penicillium/Aspergillus types†	██████████				38	2,000
Stachybotrys					ND	< 13
Torula					ND	< 13
Seldom found growing indoors**						
Ascospores	█				1	53
Basidiospores	████				6	320
Rusts					ND	< 13
Smuts, Periconia, Myxomycetes	████				34	450
Total						5,147

Location: 21307001-1 TM21

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

MoldSCORE‡			
100	200	300	Score
█			100
█			100
█			100
█			100
█			105
█			100
█			100
█			100
█			100
█			100
█			100
█			100
█			105
█			100
█			100
Final MoldSCORE	105		

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-30-2013
 Date of Receipt: 07-30-2013
 Date of Report: 07-31-2013

MoldSCORE™: Spore Trap Report

Location: 21307001-1 TM22

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				
Bipolaris/Drechslera group					ND	< 13				
Chaetomium					ND	< 13				
Cladosporium					ND	< 13				
Curvularia					ND	< 13				
Nigrospora					ND	< 13				
Penicillium/Aspergillus types†					ND	< 13				
Stachybotrys					ND	< 13				
Torula					ND	< 13				
Seldom found growing indoors**										
Ascospores					ND	< 13				
Basidiospores					1	53				
Rusts					ND	< 13				
Smuts, Periconia, Myxomycetes					ND	< 13				
Total						67	Final MoldSCORE 105			

Location: 21307001-1 TM23

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

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-30-2013
 Date of Receipt: 07-30-2013
 Date of Report: 07-31-2013

MoldSCORE™: Spore Trap Report

Location: 21307001-1 TM24

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				1	53	█			101
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts	█				1	13	█			105
Smuts, Periconia, Myxomycetes	█				1	13	█			101
Total						80				Final MoldSCORE 101

Location: 21307001-1 TM25

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

Client: Hygiene Technologies International, Inc.
 C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
 Re: 21307001-1

Date of Sampling: 07-30-2013
 Date of Receipt: 07-30-2013
 Date of Report: 07-31-2013

MoldSCORE™: Spore Trap Report

Location: 21307001-1 TM26

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				1	53	█			101
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores					ND	< 13	█			100
Basidiospores					ND	< 13	█			100
Rusts	█				1	13	█			105
Smuts, Periconia, Myxomycetes	█				2	27	█			104
Total						93				Final MoldSCORE 104

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

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

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

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



HYGIENE TECH

Hygiene Technologies International, Inc.

36251

Td 001083507



www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 21307001-1 Date Submitted: 7/5/13

Project Contact: L Sandhu/K. Hsi Turnaround Required: Normal

Lab Destination: EMLAB Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
21307001-1 TM01	75 L	Aixo-cell	SPURE TRAP ANALYSIS
21307001-1 TM02	75 L	↓	
21307001-1 TM03	75 L	↓	
21307001-1 TM04	75 L	↓	
21307001-1 TM05	75 L	↓	
21307001-1 TM06	75 L	↓	
21307001-1 TM07	75 L	↓	

Special Instructions: Random sampling CR-1

1. Sampled by: [Signature] on 7/5/13 @ 16:07 Received by: [Signature] 7/8/13 @ 12:00

2. Relinquished by: [Signature] on 7/5/13 @ 17:15 Received by: _____

3. Relinquished by: _____ Received by: _____

Please include signature, date, and time

Lab Use Only:

Los Angeles • San Francisco • Sacramento • Fresno • Bakersfield • Ontario • San Diego
 Seattle • Chicago • Cleveland • New Orleans • Norfolk • New York
 Brussels • Vienna • Abuja • Mumbai • Beijing

