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

June 4, 2013

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

Document No. 21303001.1

Attention: David Gau

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

Dear Mr. Gau:

On March 4, 11, 20, and 25, 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 21303001-1, the airborne spore count data recorded showed fungal spore types outdoors such as *Alternaria*, ascospores, basidiospores, *Bipolaris/Drechslera* group, *Cladosporium*, colorless spores typical of *Penicillium*/*Aspergillus* species*, Epicoccum, Oidium*, rusts, and/or smuts. In the indoor areas tested, the data showed that airborne fungal spores were either not detected at or above the laboratory detection limit indicated or were detected at low airborne concentrations. The fungal spore types found indoor included *Alternaria*, ascospores, basidiospores, *Cladosporium*, colorless spores typical of *Penicillium*/*Aspergillus* species*, Epicoccum,* rusts, and/or smuts. The distribution of fungal spore types detected in the surveyed areas was consistent with those found outdoors, and the overall data within the tested areas were well below the overall outdoor data recorded. These data are considered unremarkable and are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.

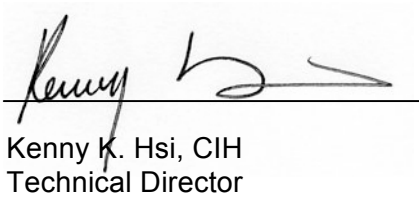
Be advised that the data provided in this report only represent limited fungal growth and exposure potentials that existed at the time these surveys were performed and at the precise sample locations

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.



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 21303001-1
AIRBORNE TOTAL FUNGI RESULTS
450 N STREET
SACRAMENTO, CALIFORNIA
MARCH 4, 11, 20, AND 25, 2013

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	21303001-1 TM01OUT	21303001-1 TM02	21303001-1 TM03	21303001-1 TM04
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 10 feet east of building; approximately five feet above ground/Normal outdoor activities	1st Floor; Cafeteria; Café area; about center; approximately five feet above floor/Normal office activities	5th Floor; southern hallway; about five feet south of Freight Elevator; approximately five feet above floor/Normal office activities	10th Floor; Column J18 area; about three feet northwest of Column J18; approximately five feet above floor/Normal office activities
DATE	03/04/13	03/04/13	03/04/13	03/04/13
START/STOP	16:08:00/16:13:00	16:15:00/16:20:00	16:23:00/16:28:00	16:30:00/16:35:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	13			
Ascospores				
Basidiospores	110			
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	2,100			
Curvularia				
Epicoccum				
Fusarium				
Nigrospora				
Oidium	13			
Other brown				
Other colorless				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)	13		53	
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	40	<13	27	13
Background debris*	1+	1+	2+	1+
TOTAL**	2,300	<13	53	<13

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

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

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450 N STREET
SACRAMENTO, CALIFORNIA
MARCH 4, 11, 20, AND 25, 2013

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	**21303001-1 TM05**	**21303001-1 TM06**	**21303001-1 TM07**	**21303001-1 TM08OUT**
SAMPLING LOCATION/ACTIVITIES	14th Floor; western hallway; about center; approximately five feet above floor/Normal office activities	18th Floor; Elevator Lobby; about center approximately five feet above floor/Normal office activities	20th Floor; Column K21 area; about 15 feet northeast of Column K21; approximately five feet above floor/Normal office activities	Outdoors; about 10 feet south of building; approximately five feet above ground/Normal outdoor activities
DATE	03/04/13	03/04/13	03/04/13	03/11/13
START/STOP	16:37:00/16:42:00	16:44:00/16:49:00	16:52:00/16:57:00	14:23:00/14:28:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Ascospores				
Basidiospores			53	270
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53			640
Curvularia				
Epicoccum			13	13
Fusarium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts			13	
Smuts (Periconia, Myxomycetes)	13		13	80
Stachybotrys				
Stemphylium				
Torula				13
Trichocladium				
Ulocladium				
Hyphal fragments	13	<13	<13	27
Background debris*	2+	1+	2+	2+
TOTAL**	67	<13	93	1,000

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SACRAMENTO, CALIFORNIA
MARCH 4, 11, 20, AND 25, 2013

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	21303001-1 TM09	21303001-1 TM10	21303001-1 TM11	21303001-1 TM12
SAMPLING LOCATION/ACTIVITIES	3rd Floor; Room 311; northern portion; about five feet east of entry door; approximately five feet above floor/Normal office activities	6th Floor; Room 6B; approximately five feet above floor/Normal office activities	9th Floor; southeastern stairwell area; about center; approximately five feet above floor/Normal office activities	15th Floor; Column N22 area; about seven feet southeast of Column N22; approximately five feet above floor/Normal office activities
DATE	03/11/13	03/11/13	03/11/13	03/11/13
START/STOP	14:34:00/14:39:00	14:44:00/14:49:00	14:51:00/14:56:00	14:59:00/15:04:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Basidiospores				110
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	110			270
Curvularia				
Epicoccum				
Fusarium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts			13	
Smuts (Periconia, Myxomycetes)	13		13	
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	120	<13	<13	13
Background debris*	2+	1+	1+	2+
TOTAL**	120	<13	27	370

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

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SACRAMENTO, CALIFORNIA
MARCH 4, 11, 20, AND 25, 2013

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	21303001-1 TM13	21303001-1 TM14	21303001-1 TM15OUT	21303001-1 TM16
SAMPLING LOCATION/ACTIVITIES	18th Floor; Men's Restroom; about center; approximately five feet above floor/Sampling activities only	21st Floor; Elevator Lobby; about center; approximately five feet above floor/Normal office activities	Outdoors; about 15 feet east of the building; approximately five feet above ground/Normal outdoor activities	4th Floor; Mail Room 4B; about center; approximately five feet above floor/Normal office activities
DATE	03/11/13	03/11/13	03/20/13	03/20/13
START/STOP	15:06:00/15:11:00	15:13:00/15:18:00	11:11:00/11:16:00	11:19:00/11:24:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria			13	
Arthrinium				
Ascospores			1,300	
Basidiospores	53	53	1,100	
Bipolaris/Drechslera group		13		
Botrytis				
Chaetomium				
Cladosporium			1,100	
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Oidium				
Other brown				
Penicillium/Aspergillus types			1,200	
Pithomyces				
Rusts		13		
Smuts (Periconia, Myxomycetes)		40	150	13
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Hyphal fragments	<13	<13	<13	<13
Background debris*	1+	2+	1+	1+
TOTAL**	53	120	4,900	13

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MARCH 4, 11, 20, AND 25, 2013

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	21303001-1 TM17	21303001-1 TM18	21303001-1 TM19	21303001-1 TM20
SAMPLING LOCATION/ACTIVITIES	7th Floor; northern quadrant; adjacent to Quiet Room 705 entry door; approximately five feet above floor/Normal office activities	8th Floor; southeastern stairwell area; about center; approximately five feet above floor/Normal office activities	16th Floor; Elevator Lobby; about center; approximately five feet above floor/Normal office activities	24th Floor; Room 2427; Cubicle 10; southern portion; about center; approximately five feet above floor/Normal office activities
DATE	03/20/13	03/20/13	03/20/13	03/20/13
START/STOP	11:29:00/11:34:00	11:36:00/11:41:00	11:43:00/11:48:00	11:51:00/11:56:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria		13		
Arthrinium				
Ascospores		320		
Basidiospores	53	530		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		320		
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types		110	110	53
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)	13			
Stachybotrys				
Torula				
Ulocladium				
Zygomycetes				
Hyphal fragments	27	13	13	<13
Background debris*	2+	1+	3+	1+
TOTAL**	67	1,300	110	110

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SACRAMENTO, CALIFORNIA
MARCH 4, 11, 20, AND 25, 2013

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	21303001-1 TM21OUT	21303001-1 TM22	21303001-1 TM23	21303001-1 TM24
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 15 feet east of the building; approximately five feet above ground/Normal outdoor activities	2nd Floor; northwestern stairwell area; about center; approximately five feet above floor/Normal office activities	11th Floor; Column K20 area; about seven west of Column K20; approximately five feet above floor/Normal office activities	17th Floor; Quiet Room 1709; about five feet north of entry door; approximately five feet above floor/Normal office activities
DATE	03/26/13	03/26/13	03/26/13	03/26/13
START/STOP	13:46:00/13:51:00	13:55:00/14:00:00	14:05:00/14:10:00	14:17:00/14:22:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	27			
Arthrinium				
Ascospores				
Basidiospores	370			
Bipolaris/Drechslera group	13			
Botrytis				
Chaetomium				
Cladosporium	3,100		370	53
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				13
Smuts (Periconia, Myxomycetes)				27
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	27	<13	13	27
Background debris*	2+	1+	2+	2+
TOTAL**	3,500	<13	370	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+.

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450 N STREET
SACRAMENTO, CALIFORNIA
MARCH 4, 11, 20, AND 25, 2013

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	**21303001-1 TM25**	**21303001-1 TM26**		
SAMPLING LOCATION/ACTIVITIES	22nd Floor; Column K22 area; at Cubicle 98 entry; approximately five feet above floor/Normal office activities	23rd Floor; southeastern stairwell area; about center; approximately five feet above floor/Normal office activities	This column intentionally left blank.	This column intentionally left blank.
DATE	03/25/13	03/25/13		
START/STOP	14:26:00/14:31:00	14:33:00/14:38:00		
SAMPLE TIME	5 minutes	5 minutes		
Alternaria				
Arthrinium				
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53	53		
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types	53			
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Zygomycetes				
Hyphal fragments	1+	4+		
Background debris*	<13	<13		
TOTAL**	110	53		

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

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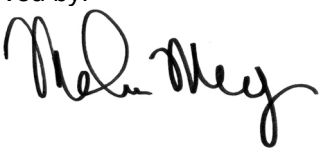
EMLab P&K
A TestAmerica Company

Report for:

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

Regarding: Project: 21303001-1
EML ID: 1034383

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 03-06-2013

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
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: Hygiene Technologies International, Inc.
C/O: Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-04-2013
Date of Receipt: 03-05-2013
Date of Report: 03-06-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21303001-1 TM01OUT		21303001-1 TM02		21303001-1 TM03		21303001-1 TM04	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	4637965-1		4637966-1		4637967-1		4637968-1	
Analysis Date:	03/06/2013		03/06/2013		03/06/2013		03/06/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13						
Ascospores								
Basidiospores	2	110						
Chaetomium								
Cladosporium	40	2,100						
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium	1	13						
Other colorless								
Penicillium/Aspergillus types†								
Pithomyces								
Rusts								
Smuts, Periconia, Myxomycetes	1	13			4	53		
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	1+		1+		2+		1+	
Hyphal fragments/m3	40		< 13		27		13	
Pollen/m3	13		< 13		13		< 13	
Skin cells (1-4+)	< 1+		1+		1+		< 1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		2,300		< 13		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 then 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.

EMLab P&K
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Client: Hygiene Technologies International, Inc.
C/O: Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-04-2013
Date of Receipt: 03-05-2013
Date of Report: 03-06-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21303001-1 TM05		21303001-1 TM06		21303001-1 TM07	
Comments (see below)	None		None		None	
Lab ID-Version‡:	4637969-1		4637970-1		4637971-1	
Analysis Date:	03/06/2013		03/06/2013		03/06/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Ascospores						
Basidiospores					1	53
Botrytis						
Chaetomium						
Cladosporium	1	53				
Curvularia						
Epicoccum					1	13
Fusarium						
Myrothecium						
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts					1	13
Smuts, Periconia, Myxomycetes	1	13			1	13
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		1+		2+	
Hyphal fragments/m3	13		< 13		< 13	
Pollen/m3	27		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		67		< 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.
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For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
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Client: Hygiene Technologies International, Inc.
C/O: Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-04-2013
Date of Receipt: 03-05-2013
Date of Report: 03-06-2013

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 21303001-1 TM01OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: March in California (n‡=18776)†						Typical Outdoor Data for: The entire year in California (n‡=188141)†					
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	13	13	13	27	53	82	46	13	13	27	67	110	54
Bipolaris/Drechslera group	-	7	13	13	27	40	8	7	13	13	27	40	12
Chaetomium	-	7	13	13	27	40	11	8	13	13	27	47	19
Cladosporium	2,100	80	160	400	1,100	1,700	95	110	210	630	1,700	2,800	97
Curvularia	-	7	13	13	27	40	2	7	13	13	27	53	6
Epicoccum	-	7	13	13	27	40	12	8	13	13	33	53	19
Nigrospora	-	7	10	13	13	27	4	7	13	13	27	53	8
Penicillium/Aspergillus types	-	53	53	160	430	690	80	53	100	210	590	1,000	85
Stachybotrys	-	7	13	13	27	59	3	7	13	13	33	67	4
Torula	-	8	13	13	40	67	8	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	-	27	53	160	480	830	79	25	53	110	360	690	71
Basidiospores	110	67	130	450	1,500	2,800	96	53	80	270	1,000	2,400	93
Oidium	13	13	13	17	53	80	22	13	13	13	40	75	19
Rusts	-	13	13	13	40	80	23	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	13	13	13	27	67	110	54	13	13	40	110	200	68
§ TOTAL SPORES/m3	2,300												

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

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

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

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

‡n = number of samples used to calculate data.

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.

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: Hygiene Technologies International, Inc.
C/O: Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-04-2013
Date of Receipt: 03-05-2013
Date of Report: 03-06-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21303001-1 TM01OUT:

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Alternaria	13	7 - 33 - 570	46
Ascospores	< 13	13 - 190 - 5,400	77
Basidiospores	110	13 - 430 - 22,000	92
Cladosporium	2,100	27 - 480 - 10,000	91
Oidium	13	7 - 13 - 230	12
Penicillium/Aspergillus types	< 13	13 - 160 - 2,700	69
Smuts, Periconia, Myxomycetes	13	7 - 47 - 970	64
Total	2,300		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurence 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: 21303001-1 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: 6.0000 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: 21303001-1 TM03

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 5 Result: 6.0000 Critical value: 11.0705 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.1000 Critical value: 0.8000 Outside Similar: No	Score: 111 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Smuts, Periconia, Myxomycetes	53
Total	53

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C/O: Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-04-2013
Date of Receipt: 03-05-2013
Date of Report: 03-06-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21303001-1 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: 6.0000 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: 21303001-1 TM05

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 5 Result: 6.0000 Critical value: 11.0705 Inside Similar: Yes	Result: 0.5714	dF: 5 Result: 0.6000 Critical value: 0.8000 Outside Similar: No	Score: 103 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	53
Smuts, Periconia, Myxomycetes	13
Total	67

Location: 21303001-1 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: 6.0000 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

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C/O: Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-04-2013
Date of Receipt: 03-05-2013
Date of Report: 03-06-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21303001-1 TM07

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 4%	dF: 5 Result: 6.0000 Critical value: 11.0705 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: -0.0625 Critical value: 0.6786 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Basidiospores	53
Epicoccum	13
Rusts	13
Smuts, Periconia, Myxomycetes	13
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.

**** 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&Kreserves 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.

EMLab P&K
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Client: Hygiene Technologies International, Inc.
C/O: Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-04-2013
Date of Receipt: 03-05-2013
Date of Report: 03-06-2013

MoldSCORE™: Spore Trap Report

Outdoor Sample: 21303001-1 TM01OUT

Fungi Identified	Outdoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3
Generally able to grow indoors*			
Alternaria		1	13
Bipolaris/Drechslera group		ND	< 13
Chaetomium		ND	< 13
Cladosporium		40	2,100
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		2	110
Oidium		1	13
Rusts		ND	< 13
Smuts, Periconia, Myxomycetes		1	13
Total			**2,280**

Location: 21303001-1 TM02

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 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**

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C/O: Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-04-2013
Date of Receipt: 03-05-2013
Date of Report: 03-06-2013

MoldSCORE™: Spore Trap Report

Location: 21303001-1 TM03

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		4	53		111
Total			**53**	**Final MoldSCORE**	**111**

Location: 21303001-1 TM04

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 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**

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Re: 21303001-1

Date of Sampling: 03-04-2013
Date of Receipt: 03-05-2013
Date of Report: 03-06-2013

MoldSCORE™: Spore Trap Report

Location: 21303001-1 TM05

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

Location: 21303001-1 TM06

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 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**

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Client: Hygiene Technologies International, Inc.
C/O: Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-04-2013
Date of Receipt: 03-05-2013
Date of Report: 03-06-2013

MoldSCORE™: Spore Trap Report

Location: 21303001-1 TM07

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 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
Epicoccum		1	13		105
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		1	53		105
Rusts		1	13		105
Smuts, Periconia, Myxomycetes		1	13		102
Total			**93**	**Final MoldSCORE**	**108**

*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.

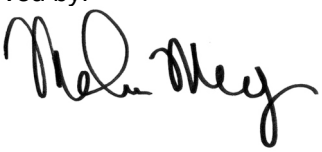
EMLab P&K
A TestAmerica Company

Report for:

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

Regarding: Project: 21303001-1
EML ID: 1036709

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 03-13-2013

Service SOPs: Spore trap analysis (1038 (previously I100000 and I100007))
AIHA-LAP, LLC accredited service, Lab ID #179768

EMLab P&K
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Client: Hygiene Technologies International, Inc.
C/O: Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-11-2013
Date of Receipt: 03-12-2013
Date of Report: 03-13-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21303001-1 TM08OUT		21303001-1 TM09		21303001-1 TM10		21303001-1 TM11	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	4649895-1		4649896-1		4649897-1		4649898-1	
Analysis Date:	03/13/2013		03/13/2013		03/13/2013		03/13/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Ascospores								
Basidiospores	5	270						
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	12	640	2	110				
Curvularia								
Epicoccum	1	13						
Fusarium								
Myrothecium								
Nigrospora								
Other colorless								
Penicillium/Aspergillus types†								
Pithomyces								
Rusts							1	13
Smuts, Periconia, Myxomycetes	6	80	1	13			1	13
Stachybotrys								
Stemphylium								
Torula	1	13						
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		1+		1+	
Hyphal fragments/m3	27		120		< 13		< 13	
Pollen/m3	310		27		< 13		< 13	
Skin cells (1-4+)	1+		1+		< 1+		1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		1,000		120		< 13		27

Comments:

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

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

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

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Client: Hygiene Technologies International, Inc.
C/O: Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-11-2013
Date of Receipt: 03-12-2013
Date of Report: 03-13-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21303001-1 TM12		21303001-1 TM13		21303001-1 TM14	
Comments (see below)	None		None		None	
Lab ID-Version‡:	4649899-1		4649900-1		4649901-1	
Analysis Date:	03/13/2013		03/13/2013		03/13/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Ascospores						
Aureobasidium						
Basidiospores	2	110	1	53	1	53
Bipolaris/Drechslera group					1	13
Botrytis						
Chaetomium						
Cladosporium	5	270				
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts					1	13
Smuts, Periconia, Myxomycetes					3	40
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		1+		2+	
Hyphal fragments/m3	13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13	
Skin cells (1-4+)	1+		< 1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		370		53		120

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 then reported. It is important to account for samples volumes when evaluating dust levels.

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

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

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Client: Hygiene Technologies International, Inc.
C/O: Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-11-2013
Date of Receipt: 03-12-2013
Date of Report: 03-13-2013

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 21303001-1 TM08OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: March in California (n‡=18776)†						Typical Outdoor Data for: The entire year in California (n‡=188141)†					
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	-	13	13	27	53	82	46	13	13	27	67	110	54
Bipolaris/Drechslera group	-	7	13	13	27	40	8	7	13	13	27	40	12
Chaetomium	-	7	13	13	27	40	11	8	13	13	27	47	19
Cladosporium	640	80	160	400	1,100	1,700	95	110	210	630	1,700	2,800	97
Curvularia	-	7	13	13	27	40	2	7	13	13	27	53	6
Epicoccum	13	7	13	13	27	40	12	8	13	13	33	53	19
Nigrospora	-	7	10	13	13	27	4	7	13	13	27	53	8
Penicillium/Aspergillus types	-	53	53	160	430	690	80	53	100	210	590	1,000	85
Stachybotrys	-	7	13	13	27	59	3	7	13	13	33	67	4
Torula	13	8	13	13	40	67	8	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	-	27	53	160	480	830	79	25	53	110	360	690	71
Basidiospores	270	67	130	450	1,500	2,800	96	53	80	270	1,000	2,400	93
Rusts	-	13	13	13	40	80	23	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	80	13	13	27	67	110	54	13	13	40	110	200	68
§ TOTAL SPORES/m3	1,000												

†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.

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Client: Hygiene Technologies International, Inc.
C/O: Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-11-2013
Date of Receipt: 03-12-2013
Date of Report: 03-13-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21303001-1 TM08OUT:

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Ascospores	< 13	13 - 190 - 5,400	76
Basidiospores	270	13 - 430 - 22,000	92
Cladosporium	640	27 - 480 - 10,000	91
Epicoccum	13	7 - 20 - 330	25
Penicillium/Aspergillus types	< 13	13 - 160 - 2,700	69
Smuts, Periconia, Myxomycetes	80	7 - 50 - 970	64
Torula	13	7 - 13 - 170	9
Total	1,000		

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 occurence 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: 21303001-1 TM09

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 12%	dF: 5 Result: 5.2857 Critical value: 11.0705 Inside Similar: Yes	Result: 0.5714	dF: 5 Result: 0.7250 Critical value: 0.8000 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Cladosporium	110
Smuts, Periconia, Myxomycetes	13
Total	120

Location: 21303001-1 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: 5 Result: 5.2857 Critical value: 11.0705 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
None Detected	< 13

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Re: 21303001-1

Date of Sampling: 03-11-2013
Date of Receipt: 03-12-2013
Date of Report: 03-13-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21303001-1 TM11

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 5 Result: 5.2857 Critical value: 11.0705 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: -0.1714 Critical value: 0.7714 Outside Similar: No	Score: 102 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Rusts	13
Smuts, Periconia, Myxomycetes	13
Total	27

Location: 21303001-1 TM12

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 37%	dF: 5 Result: 5.2857 Critical value: 11.0705 Inside Similar: Yes	Result: 0.5714	dF: 5 Result: 0.9250 Critical value: 0.8000 Outside Similar: Yes	Score: 109 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	110
Cladosporium	270
Total	370

Location: 21303001-1 TM13

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 5%	dF: 5 Result: 5.2857 Critical value: 11.0705 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.5250 Critical value: 0.8000 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	53
Total	53

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Re: 21303001-1

Date of Sampling: 03-11-2013
Date of Receipt: 03-12-2013
Date of Report: 03-13-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21303001-1 TM14

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 11%	dF: 5 Result: 5.2857 Critical value: 11.0705 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.1161 Critical value: 0.6786 Outside Similar: No	Score: 112 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Basidiospores	53
Bipolaris/Drechslera group	13
Rusts	13
Smuts, Periconia, Myxomycetes	40
Total	120

* 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&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

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

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880 Riverside Parkway, West Sacramento, CA 95605
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Client: Hygiene Technologies International, Inc.
C/O: Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-11-2013
Date of Receipt: 03-12-2013
Date of Report: 03-13-2013

MoldSCORE™: Spore Trap Report

Outdoor Sample: 21303001-1 TM08OUT

Fungi Identified	Outdoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3
Generally able to grow indoors*			
Alternaria		ND	< 13
Bipolaris/Drechslera group		ND	< 13
Chaetomium		ND	< 13
Cladosporium		12	640
Curvularia		ND	< 13
Epicoccum		1	13
Nigrospora		ND	< 13
Penicillium/Aspergillus types†		ND	< 13
Stachybotrys		ND	< 13
Torula		1	13
Seldom found growing indoors**			
Ascospores		ND	< 13
Basidiospores		5	270
Rusts		ND	< 13
Smuts, Periconia, Myxomycetes		6	80
Total			**1,013**

Location: 21303001-1 TM09

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 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		105
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			**120**	**Final MoldSCORE**	**105**

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C/O: Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-11-2013
Date of Receipt: 03-12-2013
Date of Report: 03-13-2013

MoldSCORE™: Spore Trap Report

Location: 21303001-1 TM10

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 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: 21303001-1 TM11

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		1	13		105
Smuts, Periconia, Myxomycetes		1	13		102
Total			**27**	**Final MoldSCORE**	**102**

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Re: 21303001-1

Date of Sampling: 03-11-2013
Date of Receipt: 03-12-2013
Date of Report: 03-13-2013

MoldSCORE™: Spore Trap Report

Location: 21303001-1 TM12

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		5	270		110
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		2	110		106
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**373**	**Final MoldSCORE**	**110**

Location: 21303001-1 TM13

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

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C/O: Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-11-2013
Date of Receipt: 03-12-2013
Date of Report: 03-13-2013

MoldSCORE™: Spore Trap Report

Location: 21303001-1 TM14

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		1	13		105
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		1	53		104
Rusts		1	13		105
Smuts, Periconia, Myxomycetes		3	40		107
Total			**120**	**Final MoldSCORE**	**112**

*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.

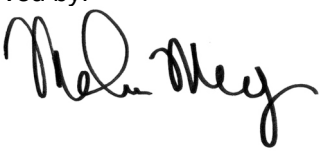
EMLab P&K
A TestAmerica Company

Report for:

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

Regarding: Project: 21303001-1
EML ID: 1040450

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 03-21-2013

Service SOPs: Spore trap analysis (1038 (previously I100000 and I100007))
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.

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Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-20-2013
Date of Receipt: 03-20-2013
Date of Report: 03-21-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21303001-1 TM 15OUT		21303001-1 TM 16		21303001-1 TM 17	
Comments (see below)	None		None		None	
Lab ID-Version‡:	4669186-1		4669187-1		4669188-1	
Analysis Date:	03/21/2013		03/21/2013		03/21/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13				
Ascospores	24	1,300				
Basidiospores	21	1,100			1	53
Botrytis						
Chaetomium						
Cladosporium	21	1,100				
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†	23	1,200				
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes	11	150	1	13	1	13
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+		1+		2+	
Hyphal fragments/m3	< 13		< 13		27	
Pollen/m3	600		< 13		67	
Skin cells (1-4+)	< 1+		< 1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		4,900		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 then reported. It is important to account for samples volumes when evaluating dust levels.

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

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

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Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-20-2013
Date of Receipt: 03-20-2013
Date of Report: 03-21-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21303001-1 TM 18		21303001-1 TM 19		21303001-1 TM 20	
Comments (see below)	None		None		None	
Lab ID-Version‡:	4669189-1		4669190-1		4669191-1	
Analysis Date:	03/21/2013		03/21/2013		03/21/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13				
Ascospores	6	320				
Basidiospores	10	530			1	53
Botrytis						
Chaetomium						
Cladosporium	6	320				
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†	2	110	2	110	1	53
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+		3+		1+	
Hyphal fragments/m3	13		13		< 13	
Pollen/m3	27		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		1,300		110		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 then reported. It is important to account for samples volumes when evaluating dust levels.

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

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

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Re: 21303001-1

Date of Sampling: 03-20-2013
Date of Receipt: 03-20-2013
Date of Report: 03-21-2013

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 21303001-1 TM 15OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: March in California (n‡=18776)†						Typical Outdoor Data for: The entire year in California (n‡=188141)†					
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	13	13	13	27	53	82	46	13	13	27	67	110	54
Bipolaris/Drechslera group	-	7	13	13	27	40	8	7	13	13	27	40	12
Chaetomium	-	7	13	13	27	40	11	8	13	13	27	47	19
Cladosporium	1,100	80	160	400	1,100	1,700	95	110	210	630	1,700	2,800	97
Curvularia	-	7	13	13	27	40	2	7	13	13	27	53	6
Nigrospora	-	7	10	13	13	27	4	7	13	13	27	53	8
Penicillium/Aspergillus types	1,200	53	53	160	430	690	80	53	100	210	590	1,000	85
Stachybotrys	-	7	13	13	27	59	3	7	13	13	33	67	4
Torula	-	8	13	13	40	67	8	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	1,300	27	53	160	480	830	79	25	53	110	360	690	71
Basidiospores	1,100	67	130	450	1,500	2,800	96	53	80	270	1,000	2,400	93
Rusts	-	13	13	13	40	80	23	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	150	13	13	27	67	110	54	13	13	40	110	200	68
§ TOTAL SPORES/m3	4,900												

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

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

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

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

‡n = number of samples used to calculate data.

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

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Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-20-2013
Date of Receipt: 03-20-2013
Date of Report: 03-21-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21303001-1 TM 15OUT:

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Alternaria	13	7 - 33 - 570	46
Ascospores	1,300	13 - 190 - 5,400	76
Basidiospores	1,100	13 - 430 - 22,000	92
Cladosporium	1,100	27 - 480 - 10,000	91
Penicillium/Aspergillus types	1,200	13 - 160 - 2,700	69
Smuts, Periconia, Myxomycetes	150	7 - 50 - 970	64
Total	4,900		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurence 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: 21303001-1 TM 16

% 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: 6.1667 Critical value: 9.4877 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.0429 Critical value: 0.7714 Outside Similar: No	Score: 103 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Smuts, Periconia, Myxomycetes	13
Total	13

Location: 21303001-1 TM 17

% 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: 6.1667 Critical value: 9.4877 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: -0.0571 Critical value: 0.7714 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Basidiospores	53
Smuts, Periconia, Myxomycetes	13
Total	67

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21303001-1 TM 18

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 26%	dF: 4 Result: 6.1667 Critical value: 9.4877 Inside Similar: Yes	Result: 0.9091	dF: 6 Result: 0.5571 Critical value: 0.7714 Outside Similar: No	Score: 125 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Alternaria	13
Ascospores	320
Basidiospores	530
Cladosporium	320
Penicillium/Aspergillus types	110
Total	1,300

Location: 21303001-1 TM 19

% 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: 6.1667 Critical value: 9.4877 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.5571 Critical value: 0.7714 Outside Similar: No	Score: 113 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Penicillium/Aspergillus types	110
Total	110

Location: 21303001-1 TM 20

% 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: 6.1667 Critical value: 9.4877 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.4286 Critical value: 0.7714 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Basidiospores	53
Penicillium/Aspergillus types	53
Total	110

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Re: 21303001-1

Date of Sampling: 03-20-2013
Date of Receipt: 03-20-2013
Date of Report: 03-21-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

* 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&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

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

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Re: 21303001-1

Date of Sampling: 03-20-2013
Date of Receipt: 03-20-2013
Date of Report: 03-21-2013

MoldSCORE™: Spore Trap Report

Outdoor Sample: 21303001-1 TM 15OUT

Fungi Identified	Outdoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3
Generally able to grow indoors*			
Alternaria		1	13
Bipolaris/Drechslera group		ND	< 13
Chaetomium		ND	< 13
Cladosporium		21	1,100
Curvularia		ND	< 13
Nigrospora		ND	< 13
Penicillium/Aspergillus types†		23	1,200
Stachybotrys		ND	< 13
Torula		ND	< 13
Seldom found growing indoors**			
Ascospores		24	1,300
Basidiospores		21	1,100
Rusts		ND	< 13
Smuts, Periconia, Myxomycetes		11	150
Total			**4,907**

Location: 21303001-1 TM 16

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

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Date of Report: 03-21-2013

MoldSCORE™: Spore Trap Report

Location: 21303001-1 TM 17

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		1	53		104
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		1	13		102
Total			**67**	**Final MoldSCORE**	**104**

Location: 21303001-1 TM 18

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		1	13		104
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		6	320		102
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		2	110		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		6	320		100
Basidiospores		10	530		125
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**1,293**	**Final MoldSCORE**	**125**

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Re: 21303001-1

Date of Sampling: 03-20-2013
Date of Receipt: 03-20-2013
Date of Report: 03-21-2013

MoldSCORE™: Spore Trap Report

Location: 21303001-1 TM 19

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 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†		2	110		113
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**	**113**

Location: 21303001-1 TM 20

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		1	53		104
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		1	53		103
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**107**	**Final MoldSCORE**	**104**

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C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-20-2013
Date of Receipt: 03-20-2013
Date of Report: 03-21-2013

MoldSCORE™: Spore Trap Report

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

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

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

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

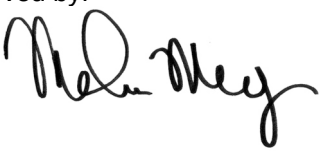
EMLab P&K
A TestAmerica Company

Report for:

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

Regarding: Project: 21303001-1
EML ID: 1042448

Approved by:



Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 03-26-2013

Service SOPs: Spore trap analysis (1038 (previously I100000 and I100007))
AIHA-LAP, LLC accredited service, Lab ID #179768

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Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-25-2013
Date of Receipt: 03-26-2013
Date of Report: 03-27-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21303001-1 TM21OUT		21303001-1 TM22		21303001-1 TM23	
Comments (see below)	None		None		None	
Lab ID-Version‡:	4681307-1		4681308-1		4681309-1	
Analysis Date:	03/26/2013		03/26/2013		03/26/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	2	27				
Ascospores						
Basidiospores	7	370				
Bipolaris/Drechslera group	1	13				
Botrytis						
Chaetomium						
Cladosporium	58	3,100			7	370
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		1+		2+	
Hyphal fragments/m3	27		< 13		13	
Pollen/m3	2,100		27		40	
Skin cells (1-4+)	< 1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		3,500		< 13		370

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 then reported. It is important to account for samples volumes when evaluating dust levels.

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

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

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Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-25-2013
Date of Receipt: 03-26-2013
Date of Report: 03-27-2013

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21303001-1 TM24		21303001-1 TM25		21303001-1 TM26	
Comments (see below)	None		None		None	
Lab ID-Version‡:	4681310-1		4681311-1		4681312-1	
Analysis Date:	03/26/2013		03/26/2013		03/26/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Ascospores						
Basidiospores						
Bipolaris/Drechslera group						
Botrytis						
Chaetomium						
Cladosporium	1	53	1	53	1	53
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†			1	53		
Pithomyces						
Rusts	1	13				
Smuts, Periconia, Myxomycetes	2	27				
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		1+		4+	
Hyphal fragments/m3	27		< 13		< 13	
Pollen/m3	< 13		< 13		27	
Skin cells (1-4+)	1+		< 1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		93		110		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 then reported. It is important to account for samples volumes when evaluating dust levels.

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

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

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Re: 21303001-1

Date of Sampling: 03-25-2013
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Date of Report: 03-27-2013

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 21303001-1 TM21OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: March in California (n‡=18776)†						Typical Outdoor Data for: The entire year in California (n‡=188141)†					
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	27	13	13	27	53	82	46	13	13	27	67	110	54
Bipolaris/Drechslera group	13	7	13	13	27	40	8	7	13	13	27	40	12
Chaetomium	-	7	13	13	27	40	11	8	13	13	27	47	19
Cladosporium	3,100	80	160	400	1,100	1,700	95	110	210	630	1,700	2,800	97
Curvularia	-	7	13	13	27	40	2	7	13	13	27	53	6
Nigrospora	-	7	10	13	13	27	4	7	13	13	27	53	8
Penicillium/Aspergillus types	-	53	53	160	430	690	80	53	100	210	590	1,000	85
Stachybotrys	-	7	13	13	27	59	3	7	13	13	33	67	4
Torula	-	8	13	13	40	67	8	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	-	27	53	160	480	830	79	25	53	110	360	690	71
Basidiospores	370	67	130	450	1,500	2,800	96	53	80	270	1,000	2,400	93
Rusts	-	13	13	13	40	80	23	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	-	13	13	27	67	110	54	13	13	40	110	200	68
§ TOTAL SPORES/m3	3,500												

†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.

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Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21303001-1

Date of Sampling: 03-25-2013
Date of Receipt: 03-26-2013
Date of Report: 03-27-2013

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21303001-1 TM21OUT:

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Alternaria	27	7 - 33 - 570	46
Ascospores	< 13	13 - 190 - 5,400	76
Basidiospores	370	13 - 430 - 22,000	92
Bipolaris/Drechslera group	13	7 - 13 - 240	16
Cladosporium	3,100	27 - 480 - 10,000	91
Penicillium/Aspergillus types	< 13	13 - 160 - 2,700	69
Smuts, Periconia, Myxomycetes	< 13	7 - 50 - 970	64
Total	3,500		

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 occurence 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: 21303001-1 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: 4 Result: 2.8000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
None Detected	< 13

Location: 21303001-1 TM23

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 10%	dF: 4 Result: 2.8000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.4000	dF: 4 Result: 0.8000 Critical value: N/A Outside Similar: N/A	Score: 103 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Cladosporium	370
Total	370

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21303001-1 TM24

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 4 Result: 2.8000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.0714 Critical value: 0.7714 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Cladosporium	53
Rusts	13
Smuts, Periconia, Myxomycetes	27
Total	93

Location: 21303001-1 TM25

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 3%	dF: 4 Result: 2.8000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.1250 Critical value: 0.8000 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Cladosporium	53
Penicillium/Aspergillus types	53
Total	110

Location: 21303001-1 TM26

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 4 Result: 2.8000 Critical value: 9.4877 Inside Similar: Yes	Result: 0.4000	dF: 4 Result: 0.8000 Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Cladosporium	53
Total	53

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Re: 21303001-1

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MoldSTAT™: Supplementary Statistical Spore Trap Report

* 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&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

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

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Re: 21303001-1

Date of Sampling: 03-25-2013
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Date of Report: 03-27-2013

MoldSCORE™: Spore Trap Report

Outdoor Sample: 21303001-1 TM21OUT

Fungi Identified	Outdoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3
Generally able to grow indoors*			
Alternaria		2	27
Bipolaris/Drechslera group		1	13
Chaetomium		ND	< 13
Cladosporium		58	3,100
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		7	370
Rusts		ND	< 13
Smuts, Periconia, Myxomycetes		ND	< 13
Total			**3,507**

Location: 21303001-1 TM22

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 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**

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MoldSCORE™: Spore Trap Report

Location: 21303001-1 TM23

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		7	370		103
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**373**	**Final MoldSCORE**	**103**

Location: 21303001-1 TM24

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

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MoldSCORE™: Spore Trap Report

Location: 21303001-1 TM25

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		1	53		108
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**107**	**Final MoldSCORE**	**108**

Location: 21303001-1 TM26

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

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Re: 21303001-1

Date of Sampling: 03-25-2013
Date of Receipt: 03-26-2013
Date of Report: 03-27-2013

MoldSCORE™: Spore Trap Report

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

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

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

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

HYGIENE

Hygiene Technologies International, Inc.

3625 D[illegible]
Tor[illegible]

001034383

Request For Analysis

Project Number/~~Purchase Order~~: 2130001-1 Date Submitted: 3/5/13

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

Lab Destination: EMLAB Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
2130001-1 TM01	75L	Air-o-cell	Spore Trap Analysis
2130001-1TM02	75L	Air-o-cell	
2130001-1TM03	75L	Air-o-cell	
2130001-1TM04	75L	Air-o-cell	
2130001-1TM05	75L	Air-o-cell	
2130001-1TM06	75L	Air-o-cell	
2130001-1TM07	75L	Air-o-cell	

~~Special Instructions~~: Random Sampling (Round-1)

1. **Sampled by:** #Sandhu on 3/4/13 @ 16:00 Received by:
2. **Relinquished by:** #Sandhu on 3/5/13 @ 12:[illegible] Received by: 3/5/13
3. **Relinquished by:** Received by:

Please include signature, date, and time

Lab Use Only:

HYGIENE

Hygiene Technologies International, Inc.

3625 Del Amo
Torrance

001036709

Request For Analysis

Project Number/~~Purchase Order~~: 2130300l-1 Date Submitted: 3/11/13

Project Contact: L-Sandlin / K-Hsi Turnaround Required: Normal

Lab Destination: EMLAB Lab Contact: SAMPLE Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
2130300l-1 TM08	75L	Aero-Cell	Spore Trap Analysis
2130300l-1 TM09	75L	↓	↓
2130300l-1 TM10	75L		
2130300l-1 TM11	75L		
2130300l-1 TM12	75L		
2130300l-1 TM13	75L		
2130300l-1 TM14	75L	↓	↓

~~Special Instructions~~: Random Sampling (R-2)

1. Sampled by: Sandlin on 3/11/13 @ 14:23 Received by:
2. Relinquished by: Sandlin on 3/11/13 @ 19:30 Received by: 3/12/13 8:00 AM
3. Relinquished by: Received by:

Please include signature, date, and time

Lab Use Only:

HYGIENE

Hygiene Technologies International, Inc.

3625 Del Amo
Torrance, C

001040450

Request For Analysis

Project Number/~~Purchase Order~~: 21303001-1 Date Submitted: 3/20/13

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

Lab Destination: EMLAB Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
21303001-1 TM4500	75L	Air-o-cell	Spore Trap Analysis
21303001-1 TM16	75L	Air-o-cell	
21303001-1 TM17	75L	Air-o-cell	
21303001-1 TM18	75L	Air-o-cell	
21303001-1 TM19	75L	Air-o-cell	
21303001-1 TM20	75L	Air-o-cell	

~~Special Instructions~~: Random sampling (R-3)

1. **Sampled by:** #Sandhu on 3/20/13 @ 11:14 **Received by:** 3/20/13 @ 1300
2. **Relinquished by:** #Sandhu on 3/20/13 @ 12:35 **Received by:**
3. **Relinquished by:** **Received by:**

Please include signature, date, and time

Lab Use Only:

HYGIENE

Hygiene Technologies International, Inc.

3625 Del Amo
Torrance

001042448

Request For Analysis

Project Number/~~Purchase Order~~: 2130300l-1 Date Submitted: 3/25/13

Project Contact: L. Sandhu / KhSi Turnaround Required: Normal

Lab Destination: GMLAB Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
2130300l-1 TM21OUT	75L	Activated Carbon	Spore Trap analysis
2130300l-1 TM22	75L		
2130300l-1 TM23	75L		
2130300l-1 TM24	75L		
2130300l-1 TM25	75L		
2130300l-1 TM26	75L		

~~Special Instructions~~: Random Sampling (1-4)

1. **Sampled by:** [illegible] on 3/25/13 @ 13:46 **Received by:**
2. **Relinquished by:** [illegible] on 3/25/13 @ 13:00 **Received by:** [illegible] 3/26/13 [illegible]
3. **Relinquished by:** _____ **Received by:** _____

Please include signature, date, and time

Lab Use Only: