



HYGIENETECH

Hygiene Technologies International, Inc.

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June 13, 2008

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

Document No. 20801001.3 Revised

Attention: David Gau

Regarding: Limited Indoor Air Quality Survey
15TH Floor

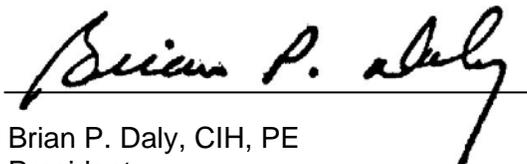
Dear Mr. Gau:

On various dates in January, February, and March of 2008, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted a limited indoor air quality survey on the 15TH Floor of the California State Board of Equalization building located at the above referenced address. At the time of the survey, various samples were collected and direct-reading instruments were used to assess the general indoor air quality, with a clear emphasis on establishing fungal growth exposure potential data. I have enclosed our report, which included general observations, samples and direct-reading results, a discussion of the data, conclusions, and recommendations.

If you have any comments or questions regarding the information contained in this report, please do not hesitate to contact our offices directly at (310) 370-8370.

Sincerely,

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.



Brian P. Daly, CIH, PE
President



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LIMITED INDOOR AIR QUALITY SURVEY

**450 N STREET – 15TH FLOOR
SACRAMENTO, CALIFORNIA**

PREPARED FOR:

**CALIFORNIA STATE BOARD OF EQUALIZATION
450 N STREET
SACRAMENTO, CALIFORNIA**

PREPARED BY:

**HYGIENE TECHNOLOGIES INTERNATIONAL, INC.
3625 DEL AMO BOULEVARD, SUITE 180
TORRANCE, CALIFORNIA**

JUNE 13, 2008



1.0 BACKGROUND

On various dates in January, February, and March of 2008, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted a limited indoor air quality survey on the 15TH Floor of the California State Board of Equalization Building located at 450 N Street in Sacramento, California. During the survey, a variety of samples were collected and direct-reading instruments were used to assess the general indoor air quality on the 15TH Floor of the subject building. Various air and surface samples were collected in order to assess fungal growth exposure potentials and to establish fungal growth assessment information on selected building material surfaces. In addition, air samples were collected throughout the floor for fibrous dust, microbial volatile organic compounds (MVOCs), and total dust analysis and direct-reading instruments were used to determine airborne volatile organic compounds (VOCs), carbon dioxide (CO₂), ozone (O₃), air temperature, and relative humidity.

2.0 OBSERVATIONS

The interior building materials of the 15TH Floor included, but were not limited to, metal window frames; painted gypsum board and/or metal windowsills; metal doorjambs and door frames; painted gypsum board walls in the general work areas; tile covered walls and painted gypsum board ceilings in the restrooms; suspended 2' by 4' ceiling tiles in the general work areas; vinyl cove base; carpet flooring in the general work areas; and ceramic or vinyl tile flooring in the restrooms and break rooms.

The furnishings in the surveyed areas included desks, upholstered chairs, shelves, fabric covered cubicles, office supplies, computers, and other electronic office equipment. The furnishings did not appear to support fungal growth, nor did they appear to have been affected in any other manner by water intrusion.

3.0 SAMPLING AND ANALYSIS

Air samples were collected and 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. Other samples were collected for airborne fibers, MVOCs, and total dust determinations using SKC[®] brand Airchek[®] 52 sampling pumps and the appropriate sampling media. Pump flow rates were established and verified using a BIOS DryCal DC-Lite primary flow meter. Those samples were collected and analyzed along with blanks (identical sampling media through which no air was drawn), when necessary, at laboratories accredited by the American Industrial Hygiene Association (AIHA) through successful participation in the National Institute for Occupational Safety and Health (NIOSH) Proficiency Analytical Testing Program. Direct-reading instruments were used to determine airborne O₃, and VOC levels, the results of which appear in Table 20802001-8 in Appendix A of this report. A discussion of the airborne CO₂ data, along with air temperature and relative humidity results, appears in Section 4.0 of this report. Additional information concerning the specific sampling and analytical methods appears below.



3.0 SAMPLING AND ANALYSIS (CONTINUED)

3.1 Airborne Total Fungi

Air samples for airborne total (viable and nonviable) fungi determinations were collected using Zefon brand Bio-Pumps™ equipped with Allergenco-D™ cassettes. Such samples were collected at various 15TH Floor locations and samples were also collected outdoors on the applicable survey dates for comparison purposes. The resultant data, which are presented in spores/M³, appear in Table 20801001-301.

3.2 Airborne Viable Fungi

Air samples for airborne viable fungi determinations were collected on malt extract agar (MEA) using a Gast brand high volume air-sampling pump equipped with an Aerotech 6™ Single Stage Bioaerosol Sampler. Two outdoor samples were also collected on the applicable survey date for comparison purpose. The media was incubated prior to enumeration of colony-forming units per agar plate and the resultant data, presented in colony forming units per cubic meter of air (CFU/ M³), can be found in Table 20801001-302.

3.3 Surface Fungi Growth Potentials

Surface samples were collected for fungal growth assessment using Scotch® brand cellophane tape segments affixed to microscope slides. Additionally, surface fungi samples were collected from various heating, ventilating, and air conditioning (HVAC) supply air register surfaces using Healthlink® Transporters™ (Rayon tipped swabs immersed in 0.5 ml modified Stuart's transport medium). These data are presented in Table 20801001-303.

3.4 Airborne Fibrous Dust

Area air samples for fibrous dust were collected at stationary locations on 25-millimeter diameter, 0.8-micrometer pore size, mixed cellulose ester filters. The samples were analyzed by phase contrast microscopy (PCM) in accordance with the NIOSH Method 7400. These data are presented in fibers per cubic centimeter (f/cc) of air in Table 20802001-6.

3.5 Airborne Total Dust

Area air samples for total dust determination were collected at stationary locations on filter cassettes containing pre-weighed 37-millimeter diameter, polyvinyl chloride filters having a pore size of five micrometers. The samples were analyzed by gravimetric method in accordance with the NIOSH Method 0500. These data are presented in milligrams per cubic meter of air (mg/M³) and appear in 20802001-7.

3.6 Microbial Volatile Organic Compounds

Area samples for MVOCs were collected on solid sorbent tubes equipped with Sagelock fittings. The samples were analyzed by gas chromatography/ mass spectrometry, modified for MVOCs following the AIHA field guide. These data are presented in mg/M³ and appear in Table 20802001-8.



3.0 SAMPLING AND ANALYSIS (CONTINUED)

3.7 Airborne Volatile Organic Compounds

Direct-reading air measurements for VOCs were also recorded at various locations on the 15TH Floor using a RAE Systems, Inc. Mini-RAE 2000 photoionization detector, which is capable of detecting a wide variety of unsaturated hydrocarbons at airborne concentrations ranging from 0.1 to 10,000 parts per million (ppm). Prior to the survey, this instrument was calibrated using a 100-ppm isobutylene gas standard. These data are presented in parts per million (ppm).

3.8 Airborne Ozone

Direct-reading air measurements for O₃ were recorded at various locations using a Dräger colorimetric detector tube apparatus with the appropriate detector tubes. The data are presented in ppm.

3.9 Airborne Carbon Dioxide

Direct-reading air measurements for airborne CO₂ concentrations were recorded at a stationary location using a Telaire[®]7001 Carbon Dioxide and Temperature Monitor along with the HOB0[®] data logger. The data are presented in ppm.

3.10 Air Temperature and Relative Humidity

Air temperature and relative humidity data were recorded at a stationary location using a Telaire[®]7001 Carbon Dioxide and Temperature Monitor along with the HOB0[®] data logger.

4.0 DISCUSSION

4.1 Airborne Total Fungi

The airborne total fungi data showed common spore types outdoors such as *Alternaria*, ascospores, basidiospores, *Botrytis*, *Chaetomium*, *Cladosporium*, *Epicoccum*, colorless spores typical of *Penicillium* and *Aspergillus* species, and/or smuts, with either basidiospores or *Cladosporium* predominating in the respective outdoor samples. Indoors, the data showed airborne concentrations of common fungal spores that included one or more of the following: *Alternaria*, ascospores, basidiospores, *Cladosporium*, *Curvularia*, colorless spores typical of *Penicillium* and *Aspergillus* species, *Myrothecium*, *Nigrospora*, other brown, rust, smuts, and/or *Torula*. Indoors, the distribution of fungal spore types detected in the surveyed areas was generally consistent with those found outdoors, and the overall data within the tested areas were well below the overall data recorded outdoors. These data are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.



4.0 DISCUSSION (CONTINUED)

4.2 Airborne Viable Fungi

The viable fungi data recorded outdoors showed overall levels of 1,537 and 2,224 CFU/M³ in the two samples collected, with *Cladosporium* predominating in both. Indoors, low levels of common fungi were found including *Aspergillus niger*, *Cladosporium*, non-sporulating fungi, and/or *Penicillium*. Again, the data recorded were unremarkable and are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.

4.3 Surface Fungal Growth Potentials

The surface assessment data involving the samples collected from various cubicle partitions throughout the 15TH Floor indicated no evidence of fungal growth or above-background levels of loose fungal spores on those surfaces. However, the surface assessment data involving samples collected from the HVAC supply air registers indicated low levels of *Alternaria*, *Cladosporium*, and/or *Penicillium* fungal growth. Be advised that visible accumulation of debris, dust, and other particulates was observed on the reverse side of all sampled HVAC supply air registers, and that such conditions are indicative of an environment that may promote fungal growth.

4.4 Airborne Fibrous Dust

The data recorded in the surveyed areas indicated that airborne fibrous dusts were either not detected at or above the laboratory detection limit of 0.004 f/cc or were detected at levels of 0.004, 0.005, and 0.006 f/cc. Because the samples were collected at stationary locations at approximate breathing zone height, the resultant data are expected to represent building occupant *exposure potentials* for those persons working in or passing through the areas monitored. These data, which are expected to represent employee *exposure potentials* to fibers of various types, including man-made and natural mineral fibers, cellulose (paper or wood composition), gypsum, and other fibrous dusts common in the environment, are well below the current Cal-OSHA 8-hour TWA PEL for asbestos fibers of 0.1 f/cc, the most restrictive exposure limit for fibrous dusts.

4.5 Airborne Total Dust

Common dust that is typically identified in buildings usually contains a wide variety of materials including, but not limited to, gypsum crystals, cellulosic particles, fiberglass fragments, mineral grains from soil, fungi spores, fine glass fibers, textile and wood fibers, iron or steel fragments, dead skin cells, insect parts, animal dander, and pollens. Generally, exposure to low levels of such materials does not produce ill effects in most persons. In fact, these so-called *nuisance dusts* have a long history of little adverse effect to the lungs and are not known to produce significant diseases or toxic effects, such as collagen (scar tissue) formation, when exposure are kept under reasonable control.

The data recorded in the surveyed areas showed that airborne total dust was not detected at or above the respective laboratory analytical detection limits of 0.17, 0.18, or 0.46 mg/M³. Because the samples were collected at stationary locations at approximate breathing zone height, the resultant data are expected to represent building occupant *exposure potentials* for those persons working in or passing through the areas monitored. These data are well below the State of California, Department of Industrial Relations, Division of Occupational Safety and Health (Cal-



4.0 DISCUSSION (CONTINUED)

4.5 Airborne Total Dust (Continued)

OSHA) 8-hour time-weighted average (TWA) permissible exposure limit (PEL) for total dust of 10 mg/M³, as defined in Title 8 of the California Code of Regulations, Section 5155 (T8, CCR § 5155). Note that these data are also well below the American Conference of Governmental Industrial Hygienists 8-hour TWA threshold limit value (TLV-TWA) for particulate (not otherwise classified) of 10 mg/M³; the U.S. Environmental Protection Agency (EPA) National Ambient Air Quality Primary Standard of 0.26 mg/M³ (24-hour standard); and the American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc. (ASHRAE) theoretical value for non-occupational environments of 1/10 of the TLV.

4.6 Airborne Microbial Volatile Organic Compounds

Microbial Volatile Organic Compounds (MVOCs) are composed of low molecular weight alcohols, aldehydes, amines, ketones, terpenes, aromatic and chlorinated hydrocarbons, and sulfur-based compounds that are known to be byproducts of microbial metabolism. MVOCs have a very low odor threshold, thus, making them easily detectable by smell. They often have strong odors and are responsible for the smells generally associated with fungal growth.

The airborne MVOC data indicated the presence of 1-butanol at levels ranging from 3,801 ng/M³ to 29,232 ng/M³. Microbial growth related 1-butanol would not be expected to be present indoors without additional MVOCs such as ethanol, 1-octen-3-ol, 2-octen-1-ol, benzyl cyanide, 2-methyl-isoborneol, geosmin (1-10-dimethyl-*trans*-9-decalol), and/or terpenes also being present. The fact that 1-butanol alone was detected would indicate that its presence on the 15TH Floor was most likely not fungal growth related and attributable personal products such as perfumes and other personal cosmetic products, many of which contain 1-butanol.

4.7 Airborne Volatile Organic Compounds

With the use of a direct-reading photoionization detector, VOCs were not detected at or above the instrument detection limit of 0.1 ppm. Because these data were recorded at stationary locations at approximate breathing zone height, the results are expected to represent building occupant *exposure* potentials for those persons occupying or passing through the areas monitored. These data were well below the surrogate Cal-OSHA PELs that are often used for comparative purposes regarding VOC exposures, such as those for gasoline, hexane, and varnish makers and painters (VM&P) naphtha.

4.8 Airborne Ozone

O₃ was not detected at or above the Dräger instrument detection limits of 0.05 ppm.



4.0 DISCUSSION (CONTINUED)

4.9 Airborne Carbon Dioxide

The direct-reading results indicated that CO₂ was detected at levels ranging from 493 to 669 ppm on the 15TH Floor. While these data were somewhat higher than the expected outdoor CO₂ levels, which generally range between 320 and 350 ppm, they are considered normal for occupied indoor environments and they are all well below the Cal-OSHA 8-hour TWA PEL for CO₂ of 5000 ppm (T8, CCR, § 5155). They are also below the level of 1000 ppm, which is essentially equivalent to the recommended upper limit for building occupant comfort and odor control established by ASHRAE (not greater than 700 ppm above the outdoor CO₂ value) as stated in ASHRAE 62-2001.

Based on historic studies performed by HygieneTech, building occupant complaints of "stuffy" air often begin when CO₂ levels exceed 800 ppm. HygieneTech has also found that some sensitive persons may experience discomfort, including eye irritation and headache, when CO₂ levels reach 1,000 ppm. Such symptoms are not believed to be the result of an unhealthful exposure to CO₂; rather, they are thought to be the result of exposure to other common indoor air pollutants which, if not exhausted and/or diluted, can accumulate over time.

4.10 Air Temperature and Relative Humidity

Air temperatures ranged between 75.2 and 78.0 degrees Fahrenheit (°F) on March 25, 2008. Based on the experience of HygieneTech, the air temperatures perceived as comfortable by most persons in office environments, and recommended by ASHRAE for occupant comfort, range between 68.0 and 74.5°F (winter) and 73.0 and 79.0°F (summer). The air temperatures recorded in the surveyed areas were generally higher than the comfort range recommended for the winter months.

Relative humidity data were recorded indoors at levels ranging from 34.0 to 36.4 percent. Such levels were well within the 20 to 60 percent relative humidity level range recommended by ASHRAE for occupant comfort. Note that HygieneTech recommends that the relative humidity in buildings not exceed 50 percent in order to limit the potential for fungal growth.

5.0 CONCLUSIONS

- 5.1 The airborne total and viable fungi data recorded in the surveyed areas showed airborne fungi levels that were generally below those recorded outdoors and therefore considered unremarkable. These data are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.
- 5.2 The surface fungal growth potentials data collected from the HVAC supply air registers indicated low levels of *Alternaria*, *Cladosporium*, and/or *Penicillium* fungal growth. Be advised that visible accumulation of debris, dust, and other particulates was observed on the reverse side of all sampled HVAC supply air registers, and that such conditions are indicative of an environment that may promote fungal growth. However, note that the airborne fungi results discussed above would suggest that such fungal growth did not appear to have adversely affected the indoor air quality on the 15TH Floor.



5.0 CONCLUSIONS (CONTINUED)

- 5.3 The airborne total and fibrous dust, VOC, and O₃ recorded during the survey were unremarkable. Collectively, the data were well below applicable Cal-OSHA 8-hour TWA PELs and/or other occupational, non-occupational, ASHRAE, or foreign guidelines. The data are not expected to represent conditions that pose a measurable health risk to the building occupants.
- 5.4 The airborne MVOC data indicated the presence of 1-butanol at levels ranging from 3,801 ng/M³ to 29,232 ng/M³. Microbial growth related 1-butanol would not be expected to be present indoors without additional MVOCs such as 1-octen-3-ol, 2-octen-1-ol, 2-methyl-isoborneol, geosmin (1-10-dimethyl-*trans*-9-decalol), and/or terpenes also being present. The fact that 1-butanol alone was detected would indicate that its presence on the 15th floor was most likely not fungal growth related and was attributable to personal products such as perfumes and other cosmetic products, many of which contain 1-butanol.
- 5.5 Air temperatures ranged between 75.2 and 78.0 degrees Fahrenheit (°F) on the survey date. Based on the experience of HygieneTech, the air temperatures perceived as comfortable by most persons in office environments, and recommended by ASHRAE for occupant comfort, range between 68.0 and 74.5°F (winter) and 73.0 and 79.0°F (summer). The air temperatures recorded in the surveyed areas were generally higher than the comfort range recommended for the winter months. Relative humidity data were recorded indoors at levels ranging from 34.0 to 36.4 percent, levels that were well within the 20 to 60 percent relative humidity level range recommended by ASHRAE for occupant comfort. Note that HygieneTech recommends that the relative humidity in buildings not exceed 50 percent in order to limit the potential for fungal growth.
- 5.6 Be advised that the data provided in this report only represent fungal growth and exposure potentials that existed at the time the survey was performed and at the precise sample locations only, the latter of which were selected based on the available background information provided. 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 survey.

6.0 RECOMMENDATIONS

All such recommendations are based strictly on the assessment information and analytical data that were available to HygieneTech at the time this report was prepared. Be advised that, in order to establish data that accurately reflects all the fungal growth sites on the 15TH Floor, additional assessment evaluations may be required as more information is known regarding the history of water intrusion episodes in discrete building areas.

- 6.1 If not yet established, an accurate record of all air monitoring results should be maintained in accordance with Cal-OSHA regulation found in T8, CCR § 3204. All affected employees should be informed that the *exposure potential* data in this report exist and that those persons, or their representatives, have a right to access relevant exposure data and medical records.



6.0 RECOMMENDATIONS (CONTINUED)

- 6.2 Routine cleaning of the HVAC supply air registers on the 15TH Floor should be performed to preclude the build-up of dust and debris, which may potentially contribute to fungal growth on those surfaces.
- 6.3 Air temperature levels on the 15TH Floor should be adjusted to the appropriate ranges recommended by ASHRAE for occupant comfort.
- 6.4 Also be advised that the exposure data recorded during the survey may not be sufficiently broad to adequately assess the suitability of the indoor air quality for all individuals, particularly those who are extremely sensitive to certain chemical and/or biological substances or for those individuals with immune system deficiencies. Although not expected, if persons occupying or passing through the 15TH Floor do experience non-specific ill effects of unknown etiology, then those affected should be referred to a medical professional in order to determine or specify the possible cause(s) of such reactions. If more information becomes available, further investigation and air monitoring may be warranted.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

Kenny K. Hsi, CIH
Technical Director

Date: June 13, 2008

Brian P. Daly, CIH, PE
President

Date: June 13, 2008

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20801001-301
AIRBORNE TOTAL FUNGI RESULTS
15TH FLOOR
SACRAMENTO, CALIFORNIA
JANUARY 3 AND 10, 2008

Page 1

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

SAMPLE NUMBER	20801001-TM04OUTCL	20801001-TM05CL	20801001-TM06CL	20801001-TM07CL
SAMPLING LOCATION/ACTIVITIES	Outdoors; 23 rd Floor; northern deck; about center; approximately five feet above deck/Normal outdoor activities	Column K18 area; hallway adjacent to Cubicle 52.01; approximately five feet above floor/Normal office activities	Area between Columns K18 and K19; adjacent to Cubicle 130; approximately five feet above floor/Normal office activities	Column K20 area; about center; approximately five feet above floor/Normal office activities
DATE	01-03-08	01-03-08	01-03-08	01-03-08
START/STOP	10:45:00/10:50:00	11:15:00/11:20:00	11:25:00/11:30:00	11:35:00/11:40:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	13			
Ascospores	1,650	107		
Aureobasidium				
Basidiospores	10,900	53		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	4,910	107	53	53
Curvularia				
Epicoccum	13			
Nigrospora				
Oidium				
Penicillium/Aspergillus types	533			
Pithomyces				
Rusts			13	13
Smuts (Periconia, etc.)	80			
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	120	<13	<13	<13
Background particulates*	2+	2+	2+	2+
TOTAL **	18,099	267	66	66

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

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

SAMPLE NUMBER	20801001-TM08CL	20801001-TM09CL	20801001-TM10CL	20801001-TM11CL
SAMPLING LOCATION/ACTIVITIES	Area between Columns K20 and K21; hallway adjacent to Cubicle 95; approximately five feet above floor/Normal office activities	Column K22 area; hallway adjacent to Cubicle 119; approximately five feet above floor/Normal office activities	Column L22 area; hallway adjacent to Cubicle 75; approximately five feet above floor/Normal office activities	Area between Columns M22 and N22; hallway adjacent to Cubicle 158; approximately five feet above floor/Normal office activities
DATE	01-03-08	01-03-08	01-03-08	01-03-08
START/STOP	11:45:00/11:50:00	13:40:00/13:45:00	13:47:00/13:52:00	13:55:00/14:00:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores	107	53	107	53
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			107	53
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	13
Background particulates*	2+	2+	2+	2+
TOTAL **	107	53	214	106

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

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

SAMPLE NUMBER	20801001-TM12CL	20801001-TM13CL	20801001-TM14CL	20801001-TM15CL
SAMPLING LOCATION/ACTIVITIES	Area between Columns N21 and N22; hallway adjacent to Cubicle 144; approximately five feet above floor/Normal office activities	Column N20 area; hallway adjacent to Cubicle 001; approximately five feet above floor/Normal office activities	Area between Columns N18 and N19 area; hallway adjacent to Cubicle 006; approximately five feet above floor/Normal office activities	Area between Column M18 and N18; hallway adjacent to Cubicle 038; approximately five feet above floor/Normal office activities
DATE	01-03-08	01-03-08	01-03-08	01-03-08
START/STOP	14:02:00/14:07:00	14:10:00/14:15:00	14:15:00/14:20:00	14:22:00/14:27:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores	53	53	53	53
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	107	53	53	53
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown	13			
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	27	<13	13
Background particulates*	2+	2+	2+	2+
TOTAL **	173	106	106	106

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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Page 4

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

SAMPLE NUMBER	20801001-TM16CL	20801001-TM17OUTCL	20801001-TM18OUTCL	20801001-TM19CCCL
SAMPLING LOCATION/ACTIVITIES	Column L18 area; hallway adjacent to Cubicle 50; approximately five feet above floor/Normal office activities	Outdoors; 23 rd Floor; northern deck; about center; approximately five feet above deck/Normal outdoor activities	Outdoors; approximately twenty five feet east of building; approximately five feet above ground/Normal outdoor activities	Columns K18 area; at Cubicle 131; within ceiling plenum/ Sampling activities only
DATE	01-03-08	01-03-08	01-10-08	01-10-08
START/STOP	14:30:00/14:35:00	14:50:00/14:55:00	11:50:00/11:55:00	13:30:00/13:35:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores		1,070	1,390	53
Aureobasidium				
Basidiospores		5,070	8,110	160
Bipolaris/Drechslera group				
Botrytis		27		
Chaetomium		27		
Cladosporium	53	6,560	213	160
Curvularia				
Epicoccum		13		
Myrothecium				
Nigrospora				
Oidium				
Other brown	13			
Penicillium/Aspergillus types		907	107	107
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)		67	13	13
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	93	13	27
Background particulates*	2+	2+	2+	3+
TOTAL**	66	13,741	9,833	493

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

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

SAMPLE NUMBER	20801001-TM20CCCL	20801001-TM21CCCL	20801001-TM22CCCL	20801001-TM23CCCL
SAMPLING LOCATION/ACTIVITIES	Column K20 area; at Cubicle 128; within ceiling plenum/ Sampling activities only	Column K21 area; at Cubicle 122; within ceiling plenum/ Sampling activities only	Column K21 area; at Cubicle 119; within ceiling plenum/ Sampling activities only	Column K22 area; at Cubicle 80; within ceiling plenum/ Sampling activities only
DATE	01-10-08	01-10-08	01-10-08	01-10-08
START/STOP	13:49:00/13:54:00	14:08:00/14:13:00	14:20:00/14:25:00	14:36:00/14:41:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores	213	107	107	107
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				13
Cladosporium	160	53	107	160
Curvularia				
Epicoccum				
Myrothecium		13		
Nigrospora			13	
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts		13		
Smuts (Periconia, Myxomycetes)	13	13	40	
Stachybotrys				
Torula	13			
Ulocladium				
Hyphal fragments	40	13	40	27
Background particulates*	3+	3+	3+	3+
TOTAL**	399	199	267	280

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+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20801001-301
AIRBORNE TOTAL FUNGI RESULTS
15TH FLOOR
SACRAMENTO, CALIFORNIA
JANUARY 3 AND 10, 2008

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

SAMPLE NUMBER	20801001-TM24CCCL	20801001-TM25CCCL	20801001-TM26CCCL	20801001-TM27CCCL
SAMPLING LOCATION/ACTIVITIES	Area between Columns L22 and M22; at Cubicle 159; within ceiling plenum/Sampling activities only	Column N21 area; at Cubicle 137; within ceiling plenum/Sampling activities only	Column N20 area; at Cubicle 132; within ceiling plenum/Sampling activities only	Column N18 area; at Cubicle 7; within ceiling plenum/Sampling activities only
DATE	01-10-08	01-10-08	01-10-08	01-10-08
START/STOP	14:46:00/14:51:00	14:55:00/15:00:00	15:25:00/15:30:00	15:35:00/15:40:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	13	13	13	
Arthrinium				
Ascospores	53			
Aureobasidium				
Basidiospores	53		53	107
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	160	107	213	53
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora	13			
Oidium				
Other brown			13	
Penicillium/Aspergillus types	53		160	
Pithomyces				
Rusts			40	
Smuts (Periconia, Myxomycetes)			40	
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	40	13	27	<13
Background particulates*	3+	3+	3+	2+
TOTAL**	345	120	532	160

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

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APPENDIX A



CLIENT: California State Board of Equalization
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TABLE 20801001-301
AIRBORNE TOTAL FUNGI RESULTS
15TH FLOOR
SACRAMENTO, CALIFORNIA
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Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	20801001-TM28CCCL	20801001-TM29CCCL	20801001-TM30OUTCL	
SAMPLING LOCATION/ACTIVITIES	Column M18 area; at Cubicle 45; within ceiling plenum/ Sampling activities only	Column L18 area; at Cubicle 51; within ceiling plenum/Sampling activities only	Outdoors; approximately twenty five feet east of building; approximately five feet above ground/Normal outdoor activities	This column intentionally left blank
DATE	01-10-08	01-10-08	01-10-08	
START/STOP	15:43:00/15:48:00	15:55:00/16:00:00	15:25:00/15:30:00	
SAMPLE TIME	5 minutes	5 minutes	5 minutes	
Alternaria		13		
Arthrinium				
Ascospores		53	3,470	
Aureobasidium				
Basidiospores	160		7,150	
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	107	387	1,010	
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types		107	160	
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)		13		
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	13	<13	<13	
Background particulates*	3+	3+	2+	
TOTAL**	267	573	11,790	

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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CLIENT: California State Board of Equalization
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TABLE 20801001-302
AIRBORNE VIABLE FUNGI RESULTS
15th FLOOR
SACRAMENTO, CALIFORNIA
JANUARY 3, 2008

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Results reported in colony forming units per cubic meter of air (CFU/M³)

SAMPLE NUMBER	20801001-VM01OUTCL	20801001-VM02CL	20801001-VM03CL	20801001-VM04CL
SAMPLING LOCATION/ACTIVITIES	Outdoors; 23 rd Floor; northern deck; about center; approximately five feet above deck/Normal outdoor activities	Column K18 area; southeastern corner; hallway adjacent to Cubicle 52.01; approximately five feet above floor/Normal office activities	Area between Columns K18 between K19; hallway adjacent to Cubicle 130; approximately five feet above floor/Normal office activities	Area between Columns K20 and K21; hallway adjacent to Cubicle 95; approximately five feet above floor/Normal office activities
START/STOP	10:46:00/10:48:00	11:16:00/11:18:00	11:26:00/11:28:00	11:46:00/11:48:00
SAMPLE TIME	2 minutes	2 minutes	2 minutes	2 minutes
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus niger		18		
Aspergillus other				
Aspergillus versicolor				
Aureobasidium				
Beauveria				
Bipolaris/Drechslera group				
Botrytis	18			
Chaetomium				
Cladosporium	1,360			35
Curvularia				
Epicoccum	18			
Nigrospora				
Memnoniella				
Myrothecium				
Non-sporulating fungi				18
Paecilomyces				
Penicillium	106			
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts	35			
TOTAL	1,537	18	<18	53

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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CLIENT: California State Board of Equalization
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TABLE 20801001-302
AIRBORNE VIABLE FUNGI RESULTS
15th FLOOR
SACRAMENTO, CALIFORNIA
JANUARY 3, 2008

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Results reported in colony forming units per cubic meter of air (CFU/M³)

SAMPLE NUMBER	20801001-VM05CL	20801001-VM06CL	20801001-VM07CL	20801001-VM08CL
SAMPLING LOCATION/ACTIVITIES	Column K22 area; hallway adjacent to Cubicle 119; approximately five feet above floor/Normal office activities	Area between Column M22 and N22; hallway adjacent to Cubicle 158; approximately five feet above floor/Normal office activities	Area between Column N21 and N22; hallway adjacent to Cubicle 144; approximately five feet above floor/Normal office activities	Area between Columns N18 and N19; hallway adjacent to Cubicle 006; approximately five feet above floor/Normal office activities
START/STOP	13:41:00/13:43:00	13:56:00/13:58:00	14:03:00/14:05:00	14:16:00/14:18:00
SAMPLE TIME	2 minutes	2 minutes	2 minutes	2 minutes
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus niger				
Aspergillus other				
Aspergillus versicolor				
Aureobasidium				
Beauveria				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	71		18	18
Curvularia				
Epicoccum				
Fusarium				
Memnoniella				
Myrothecium				
Non-sporulating fungi				
Others				
Paecilomyces				
Penicillium			35	
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts				
TOTAL	71	<18	53	18

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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TABLE 20801001-302
AIRBORNE VIABLE FUNGI RESULTS
15th FLOOR
SACRAMENTO, CALIFORNIA
JANUARY 3, 2008

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Results reported in colony forming units per cubic meter of air (CFU/M³)

SAMPLE NUMBER	20801001-VM09CL	20801001-VM10OUTCL		
SAMPLING LOCATION/ACTIVITIES	Column L18 area; hallway adjacent to Cubicle 50; approximately five feet above floor/Normal office activities	Outdoors; 23 rd Floor; northern deck; about center; approximately five feet above deck/normal outdoor activities	This column intentionally left blank	This column intentionally left blank
START/STOP	14:31:00/14:33:00	14:51:00/14:53:00		
SAMPLE TIME	2 minutes	2 minutes		
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus niger				
Aspergillus other				
Aspergillus versicolor				
Aureobasidium				
Beauveria				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	18	2,030		
Epicoccum				
Fusarium				
Memnoniella				
Mucor				
Myrothecium				
Non-sporulating fungi		35		
Paecilomyces				
Penicillium		106		
Phoma/coelomycetes				
Rhizopus		18		
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts		35		
TOTAL	18	2,224		

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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CLIENT: California State Board of Equalization
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TABLE 20801001-303
SURFACE FUNGAL GROWTH POTENTIALS
15TH FLOOR
SACRAMENTO, CALIFORNIA
JANUARY 10, 2007

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SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
20801001-TL50CL	Cubicle 131; northern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL51CL	Cubicle 131; southern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL52CL	Cubicle 128; northern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL53CL	Cubicle 128; western cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL54CL	Cubicle 122; southern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL55CL	Cubicle 119; northern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL56CL	Cubicle 119; southern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL57CL	Cubicle 99; northern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL58CL	Cubicle 86; southern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL59CL	Cubicle 80; western cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL60CL	Cubicle 159; eastern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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CLIENT: California State Board of Equalization
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TABLE 20801001-303
SURFACE FUNGAL GROWTH POTENTIALS
15TH FLOOR
SACRAMENTO, CALIFORNIA
JANUARY 10, 2007

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SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
20801001-TL61CL	Cubicle 163; eastern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL62CL	Cubicle 137; southern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL63CL	Cubicle 137; northern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL64CL	Cubicle 132; southern partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL65CL	Cubicle 174; southern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL66CL	Cubicle 136; northern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL67CL	Cubicle 7; northern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL68CL	Cubicle 7; southern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL69CL	Cubicle 45; eastern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL70CL	Cubicle 46; western cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL71CL	Cubicle 64; western cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

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TABLE 20801001-303
SURFACE FUNGAL GROWTH POTENTIALS
15TH FLOOR
SACRAMENTO, CALIFORNIA
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SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
20801001-TL72CL	Cubicle 49; eastern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL73CL	Cubicle 51; eastern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL74CL	Cubicle 51; western cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-TL75CL	Cubicle 52.01; eastern cubicle partition; about center; from horizontal surface	Light	Very few	None	None	Background
20801001-S01CL	Cubicle 131; ceiling; from reverse side of HVAC supply air register	Heavy	Few	<1+ <i>Cladosporium</i> species(spores, hyphae)	None	Minimal fungal growth
20801001-S02CL	Cubicle 128; ceiling; from reverse side of HVAC supply air register	Heavy	Few	<1+ <i>Cladosporium</i> species (spores hyphae) <1+ <i>Alternaria</i> species(spores, Hyphae)	None	Minimal fungal growth
20801001-S03CL	Cubicle 122; ceiling; from reverse side of HVAC supply air register	Heavy	Few	<1+ <i>Penicillium</i> species (spores, hyphae, conidiophores) <1+ <i>Cladosporium</i> species (spores, hyphae) <1+ <i>Alternaria</i> species (spores, hyphae)	None	Minimal fungal growth

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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CLIENT: California State Board of Equalization
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TABLE 20801001-303
SURFACE FUNGAL GROWTH POTENTIALS
15TH FLOOR
SACRAMENTO, CALIFORNIA
JANUARY 10, 2007

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SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
20801001-S04CL	Cubicle 80; ceiling; from reverse side of HVAC supply air register	Moderate	Few	<1+ <i>Penicillium</i> species (spores, hyphae, conidiophores) <1+ <i>Cladosporium</i> species (spores, hyphae) <1+ <i>Alternaria</i> species (spores, hyphae)	None	Minimal Fungal growth
20801001-S05CL	Cubicle 159; ceiling; from reverse side of HVAC supply air register	Heavy	Few	1+ <i>Penicillium</i> species (spores, hyphae, conidiophores) <1+ <i>Cladosporium</i> species (spores, hyphae) <1+ <i>Alternaria</i> species (spores, hyphae)	None	Minimal fungal growth
20801001-S06CL	Cubicle 137; ceiling; from reverse side of HVAC supply air register	Heavy	Few	<1+ <i>Cladosporium</i> species (spores, hyphae) <1+ <i>Alternaria</i> species (spores, hyphae)	Moderate amounts of bacteria-like organisms detected	Minimal fungal growth and possible bacterial growth
20801001-S07CL	Cubicle 132; ceiling; from reverse side of HVAC supply air register	Moderate	Very few	<1+ <i>Cladosporium</i> species (spores, Hyphae)	None	Minimal fungal growth
20801001-S08CL	Cubicle 45; ceiling; from reverse side of HVAC supply air register	Heavy	Few	<1+ <i>Cladosporium</i> species (spores, hyphae)	None	Minimal fungal growth

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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CLIENT: California State Board of Equalization
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TABLE 20801001-303
SURFACE FUNGAL GROWTH POTENTIALS
15TH FLOOR
SACRAMENTO, CALIFORNIA
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SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
20801001-S09CL	Cubicle 51; ceiling; from reverse side of HVAC supply air register	Heavy	Few	<1+ <i>Penicillium</i> species (spores, hyphae, conidiophores) <1+ <i>Cladosporium</i> species (spores, hyphae)	None	Minimal fungal growth

*Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating (indicative of normal trapping).

**Quantities of fungi are graded (from least to greatest) as <1+ to 4+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

CLIENT: California State Board of Equalization
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APPENDIX A



**TABLE 20802001-6
AIRBORNE FIBERS RESULTS
15TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 5, 2008**

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (f/cc)	PEL (f/cc)
Area Sample	Cubicle 80; about center; approximately five feet above floor/Normal office activities	N/A	20802001-F01	9:13 16:32	439 minutes	Fibers	0.004	0.1
Area Sample	About ten feet north of Cubicle 119; approximately five feet above floor/Normal office activities	N/A	20802001-F02	9:16 16:34	438 minutes	Fibers	<0.004	0.1
Area Sample	About ten feet north of Cubicle 123; approximately five feet above floor/Normal office activities	N/A	20802001-F03	9:18 16:35	437 minutes	Fibers	<0.004	0.1
Area Sample	About ten feet north of Cubicle 131; approximately five feet above floor/Normal office activities	N/A	20802001-F04	9:21 16:38	437 minutes	Fibers	<0.004	0.1
Area Sample	About ten feet east of Cubicle 59; approximately five feet above floor/Normal office activities	N/A	20802001-F05	9:35 16:35	438 minutes	Fibers	<0.004	0.1
Area Sample	Cubicle 45; about center; approximately five feet above floor/Normal office activities	N/A	20802001-F06	9:38 16:56	438 minutes	Fibers	<0.004	0.1
Area Sample	Cubicle 21; about center; approximately five feet above floor/Normal office activities	N/A	20802001-F07	09:15 16:42	447 minutes	Fibers	0.005	0.1
Area Sample	About 15 feet south of Cubicle 005; approximately five feet above floor/Normal office activities	N/A	20802001-F08	09:18 16:46	448 minutes	Fibers	0.005	0.1
Area Sample	Cubicle 142; about center; approximately five feet above floor/Normal office activities	N/A	20802001-F09	09:22 16:46	444 minutes	Fibers	0.006	0.1
Area Sample	About ten feet east of Cubicle 159; approximately five feet above floor/Normal office activities	N/A	20802001-F10	09:25 16:48	443 minutes	Fibers	0.006	0.1
Blank	N/a	N/A	20802001-F11	N/A	N/A	Fibers	All data blank corrected	N/A

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit

<: Less than
f/cc: Fibers per cubic centimeter of air

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

CLIENT: California State Board of Equalization
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APPENDIX A



TABLE 20802001-7
INDUSTRIAL HYGIENE AIR MONITORING RESULTS
15TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 4, 2008

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/M ³)	PEL (mg/M ³)
Area Sample	Cubicle 80; about center; approximately five feet above floor/Normal office activities	N/A	20802001 -TD01	11:45/ 16:36	291 minutes	Total dust	<0.17	10
Area Sample	About ten feet north of Cubicle 119; approximately five feet above floor/Normal office activities	N/A	20802001 -TD02	11:48/ 16:37	289 minutes	Total dust	<0.17	10
Area Sample	About ten feet north of Cubicle 123; approximately five feet above floor/Normal office activities	N/A	20802001 -TD03	11:51/ 16:39	288 minutes	Total dust	<0.17	10
Area Sample	About ten feet north of Cubicle 131; approximately five feet above floor/Normal office activities	N/A	20802001 -TD04	11:54/ 16:41	287 minutes	Total dust	<0.17	10
Area Sample	About ten feet east of Cubicle 59; approximately five feet above floor/Normal office activities	N/A	20802001 -TD05	11:58/ 16:32	274 minutes	Total dust	<0.18	10
Area Sample	Cubicle 45; about center; approximately five feet above floor/Normal office activities	N/A	20802001 -TD06	12:03/ 13:54	109 minutes	Total dust	<0.46	10
Area Sample	Cubicle 21; about center; approximately five feet above floor/Normal office activities	N/A	20802001 -TD07	12:06/ 16:55	289 minutes	Total dust	<0.17	10
Area Sample	About 15 feet south of Cubicle 005; approximately five feet above floor/Normal office activities	N/A	20802001 -TD08	12:10/ 16:55	285 minutes	Total dust	<0.18	10
Area Sample	Cubicle 142; about center; approximately five feet above floor/Normal office activities	N/A	20802001 -TD09	12:14/ 16:58	284 minutes	Total dust	<0.18	10
Area Sample	About ten feet east of Cubicle 159; approximately five feet above floor/Normal office activities	N/A	20802001 -TD10	12:18/ 16:53	275 minutes	Total dust	<0.18	10
Blank	N/A	N/A	20802001 -TD11	N/A	N/A	Total dust	All data blank corrected	N/A

LEGEND

PPE: Personal protective equipment
N/A: Not applicable
mg/M³: Milligrams per cubic meter

<: Less than
PEL: Cal-OSHA 8-hour time-weighted average permissible exposure limit

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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CLIENT: California State Board of Equalization
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Sacramento, California 94279

TABLE 20802001-9
DIRECT-READING RESULTS
15TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 5, 2007

LOCATION/SITE ACTIVITIES	SAMPLE TIME	CONTAMINANT	RESULTS (ppm)	COMMENTS
About five feet east of Cubicle 80; approximately five feet above floor/Normal office activities	13:45/13:48	Volatile Organic Compounds	ND < 0.1	N/A
		Ozone	ND < 0.05	
About five feet east of Cubicle 106; approximately five feet above floor/Normal office activities	13:48/13:52	Volatile Organic Compounds	ND < 0.1	N/A
		Ozone	ND < 0.05	
Northeast corner of Cubicle 21; approximately five feet above floor/Normal office activities	13:53/13:56	Volatile Organic Compounds	ND < 0.1	N/A
		Ozone	ND < 0.05	
Southwest of Cubicle 137; approximately five feet above floor/Normal office activities	13:58/14:02	Volatile Organic Compounds	ND < 0.1	N/A
		Ozone	ND < 0.05	

LEGEND

ND: Not detected
<: Less than

N/A: Not applicable
ppm: Parts per million



EMLab P&K

Report for:

Mr. Wes Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20801001
 EML ID: 374439

Approved by:

Lab Manager
Dr. Kamashwaran Ramanathan

Dates of Analysis:
Spore trap analysis: 01-08-2008

Project SOPs: Spore trap analysis (I100000)

This coversheet is included with your report in order to comply with AIHA and ISO accreditation requirements.

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. 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 corrections of results is not a standard practice. 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.

Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20801001

Date of Sampling: 01-03-2008
Date of Receipt: 01-04-2008
Date of Report: 01-08-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20801001-TM04outCL		20801001-TM05CL		20801001-TM06CL		20801001-TM07CL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1639940-1		1639941-1		1639942-1		1639943-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13						
Arthrinium								
Ascospores*	31	1,650	2	107				
Aureobasidium								
Basidiospores*	205	10,900	1	53				
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	92	4,910	2	107	1	53	1	53
Curvularia								
Epicoccum	1	13						
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	10	533						
Pithomyces								
Rusts*					1	13	1	13
Smuts*, Periconia, Myxomycetes*	6	80						
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	120		< 13		< 13		< 13	
Pollen/m3	160		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		2+		2+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		18,099		267		66		66

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.
The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
‡ A "Version" greater than 1 indicates amended data.

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20801001-TM08CL		20801001-TM09CL		20801001-TM10CL		20801001-TM11CL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1639944-1		1639945-1		1639946-1		1639947-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*	2	107	1	53	2	107	1	53
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium					2	107	1	53
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†								
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*								
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		< 13		13	
Pollen/m3	< 13		< 13		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+		2+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		107		53		214		106

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
 † The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
 †† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.
 The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
 ‡ A "Version" greater than 1 indicates amended data.

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20801001-TM12CL		20801001-TM13CL		20801001-TM14CL		20801001-TM15CL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1639948-1		1639949-1		1639950-1		1639951-1	
	raw ct.	spores/m3						
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*	1	53	1	53	1	53	1	53
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	2	107	1	53	1	53	1	53
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown	1	13						
Other colorless								
Penicillium/Aspergillus types†								
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*								
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	< 13		27		< 13		13	
Pollen/m3	< 13		< 13		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		173		106		106		106

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
 † The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
 †† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.
 The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
 ‡ A "Version" greater than 1 indicates amended data.

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20801001-TM16CL		20801001-TM17outCL	
Comments (see below)	None		None	
Lab ID-Version‡:	1639952-1		1639953-1	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria				
Arthrinium				
Ascospores*			20	1,070
Aureobasidium				
Basidiospores*			95	5,070
Bipolaris/Drechslera group				
Botrytis			2	27
Chaetomium			2	27
Cladosporium	1	53	123	6,560
Curvularia				
Epicoccum			1	13
Fusarium				
Myrothecium				
Nigrospora				
Other brown	1	13		
Other colorless				
Penicillium/Aspergillus types†			17	907
Pithomyces				
Rusts*				
Smuts*, Periconia, Myxomycetes*			5	67
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Unknown				
Zygomycetes				
Background debris (1-4+)††	2+		2+	
Hyphal fragments/m3	< 13		93	
Pollen/m3	< 13		80	
Skin cells (1-4+)	1+		< 1+	
Sample volume (liters)	75		75	
TOTAL SPORE/m3		66		13,741

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

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

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

The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.

‡ A "Version" greater than 1 indicates amended data.

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20801001

Date of Sampling: 01-03-2008
Date of Receipt: 01-04-2008
Date of Report: 01-08-2008

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 20801001-TM04outCL**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: January				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	13	7	13	170	33	7	27	230	61
Bipolaris/Drechslera group	-	7	13	200	11	7	13	120	14
Chaetomium	-	7	13	130	8	7	13	110	19
Cladosporium	4,910	27	320	4,600	91	53	640	6,500	98
Curvularia	-	7	13	470	9	7	13	210	7
Epicoccum	13	7	13	190	14	7	13	160	21
Nigrospora	-	7	13	130	9	7	13	170	8
Penicillium/Aspergillus types	533	27	210	2,300	86	44	210	2,500	89
Stachybotrys	-	7	13	790	3	7	13	330	5
Torula	-	7	13	200	5	7	13	150	13
Seldom found growing indoors**									
Ascospores	1,650	13	130	2,400	64	13	110	1,800	73
Basidiospores	10,900	13	330	12,000	88	13	270	7,100	95
Botrytis	-	7	20	250	12	7	20	200	22
Rusts	-	7	13	170	10	7	13	270	29
Smuts, Periconia, Myxomycetes	80	7	27	250	56	8	40	480	72
TOTAL SPORES/M3	18,099								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 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, 2.5% 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.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated for the entire year. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

*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.

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

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20801001

Date of Sampling: 01-03-2008
Date of Receipt: 01-04-2008
Date of Report: 01-08-2008

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 20801001-TM17outCL**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: January				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	13	170	33	7	27	230	61
Bipolaris/Drechslera group	-	7	13	200	11	7	13	120	14
Chaetomium	27	7	13	130	8	7	13	110	19
Cladosporium	6,560	27	320	4,600	91	53	640	6,500	98
Curvularia	-	7	13	470	9	7	13	210	7
Epicoccum	13	7	13	190	14	7	13	160	21
Nigrospora	-	7	13	130	9	7	13	170	8
Penicillium/Aspergillus types	907	27	210	2,300	86	44	210	2,500	89
Stachybotrys	-	7	13	790	3	7	13	330	5
Torula	-	7	13	200	5	7	13	150	13
Seldom found growing indoors**									
Ascospores	1,070	13	130	2,400	64	13	110	1,800	73
Basidiospores	5,070	13	330	12,000	88	13	270	7,100	95
Botrytis	27	7	20	250	12	7	20	200	22
Rusts	-	7	13	170	10	7	13	270	29
Smuts, Periconia, Myxomycetes	67	7	27	250	56	8	40	480	72
TOTAL SPORES/M3	13,741								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 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, 2.5% 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.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated for the entire year. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

*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.

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

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 20801001-TM04outCL:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Alternaria				13	7 - 27 - 390	56
Ascospores				1,650	13 - 160 - 4,300	76
Basidiospores				10,900	13 - 320 - 14,000	93
Cladosporium				4,910	52 - 530 - 8,500	95
Epicoccum				13	7 - 13 - 320	24
Penicillium/Aspergillus types				533	27 - 210 - 2,600	86
Smuts, Periconia, Myxomycetes				80	7 - 40 - 770	71
Total				18,099		

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

Indoor Samples

Location: 20801001-TM05CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.6000	dF: 7 Result: 0.8036 Critical value: 0.6786 Outside Similar: Yes	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Ascospores				107
	Basidiospores				53
	Cladosporium				107
	Total				267

Client: Hygiene Technologies International, Inc.:
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 Re: 20801001

Date of Sampling: 01-03-2008
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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20801001-TM06CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.1905 Critical value: 0.6190 Outside Similar: No	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Rusts					13
Total					66

Location: 20801001-TM07CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.1905 Critical value: 0.6190 Outside Similar: No	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Rusts					13
Total					66

Location: 20801001-TM08CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.6964 Critical value: 0.6786 Outside Similar: Yes	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					107
Total					107

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20801001-TM09CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.6964 Critical value: 0.6786 Outside Similar: Yes	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Total					53

Location: 20801001-TM10CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.8214 Critical value: 0.6786 Outside Similar: Yes	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					107
Cladosporium					107
Total					214

Location: 20801001-TM11CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.8214 Critical value: 0.6786 Outside Similar: Yes	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Cladosporium					53
Total					106

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20801001-TM12CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.5060 Critical value: 0.6190 Outside Similar: No	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Cladosporium					107
Other brown					13
Total					173

Location: 20801001-TM13CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.8214 Critical value: 0.6786 Outside Similar: Yes	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Cladosporium					53
Total					106

Location: 20801001-TM14CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.8214 Critical value: 0.6786 Outside Similar: Yes	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Cladosporium					53
Total					106

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20801001-TM15CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.8214 Critical value: 0.6786 Outside Similar: Yes	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Cladosporium					53
Total					106

Location: 20801001-TM16CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.1905 Critical value: 0.6190 Outside Similar: No	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Other brown					13
Total					66

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

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

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

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20801001

Date of Sampling: 01-03-2008
Date of Receipt: 01-04-2008
Date of Report: 01-08-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

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

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

Client: Hygiene Technologies International, Inc.:
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Date of Sampling: 01-03-2008
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 Date of Report: 01-08-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 20801001-TM17outCL:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Ascospores					13 - 160 - 4,300	76
Basidiospores					13 - 320 - 14,000	93
Botrytis					7 - 20 - 210	14
Chaetomium					7 - 13 - 120	13
Cladosporium					52 - 530 - 8,500	95
Epicoccum					7 - 13 - 320	24
Penicillium/Aspergillus types					27 - 210 - 2,600	86
Smuts, Periconia, Myxomycetes					7 - 40 - 770	71
Total						

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

Indoor Samples

Location: 20801001-TM05CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.5455	dF: 8 Result: 0.8452 Critical value: 0.6190 Outside Similar: Yes	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Ascospores				
	Basidiospores				
	Cladosporium				
	Total				

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20801001-TM06CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.2000	dF: 9 Result: 0.3042 Critical value: 0.5833 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Rusts					13
Total					66

Location: 20801001-TM07CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.2000	dF: 9 Result: 0.3042 Critical value: 0.5833 Outside Similar: No	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Rusts					13
Total					66

Location: 20801001-TM08CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.5774 Critical value: 0.6190 Outside Similar: No	Score: 107 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					107
Total					107

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Date of Sampling: 01-03-2008
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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20801001-TM09CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.5774 Critical value: 0.6190 Outside Similar: No	Score: 104 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Total					53

Location: 20801001-TM10CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.7917 Critical value: 0.6190 Outside Similar: Yes	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					107
Cladosporium					107
Total					214

Location: 20801001-TM11CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.7917 Critical value: 0.6190 Outside Similar: Yes	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Cladosporium					53
Total					106

Client: Hygiene Technologies International, Inc.:
 Northern California
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Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20801001-TM12CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.3636	dF: 9 Result: 0.5083 Critical value: 0.5833 Outside Similar: No	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Cladosporium					107
Other brown					13
Total					173

Location: 20801001-TM13CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.7917 Critical value: 0.6190 Outside Similar: Yes	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Cladosporium					53
Total					106

Location: 20801001-TM14CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.7917 Critical value: 0.6190 Outside Similar: Yes	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Cladosporium					53
Total					106

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20801001-TM15CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.7917 Critical value: 0.6190 Outside Similar: Yes	Score: 101 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Cladosporium					53
Total					106

Location: 20801001-TM16CL

% 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: 11 Result: 4.3154 Critical value: 19.6752 Inside Similar: Yes	Result: 0.2000	dF: 9 Result: 0.3042 Critical value: 0.5833 Outside Similar: No	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Other brown					13
Total					66

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

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

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

Client: Hygiene Technologies International, Inc.:
Northern California
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Date of Report: 01-08-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

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

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Client: Hygiene Technologies International, Inc.:
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 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

MoldSCORE™: Spore Trap Report

Outdoor Sample: 20801001-TM04outCL

Fungi Identified	Outdoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
Generally able to grow indoors*						
Alternaria					1	13
Bipolaris/Drechslera group					ND	< 13
Chaetomium					ND	< 13
Cladosporium					92	4,910
Curvularia					ND	< 13
Epicoccum					1	13
Nigrospora					ND	< 13
Penicillium/Aspergillus types†					10	533
Stachybotrys					ND	< 13
Torula					ND	< 13
Seldom found growing indoors**						
Ascospores††					31	1,650
Basidiospores††					205	10,900
Rusts					ND	< 13
Smuts, Periconia, Myxomycetes††					6	80
Total						18,099

Location: 20801001-TM05CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3
	<100	1K	10K	>100K		
Generally able to grow indoors*						
Alternaria					ND	< 13
Bipolaris/Drechslera group					ND	< 13
Chaetomium					ND	< 13
Cladosporium					2	107
Curvularia					ND	< 13
Nigrospora					ND	< 13
Penicillium/Aspergillus types†					ND	< 13
Stachybotrys					ND	< 13
Torula					ND	< 13
Seldom found growing indoors**						
Ascospores††					2	107
Basidiospores††					1	53
Rusts					ND	< 13
Smuts, Periconia, Myxomycetes††					ND	< 13
Total						267

MoldSCORE‡			
100	200	300	Score
			100
			100
			100
			102
			100
			100
			100
			100
			100
Seldom found growing indoors**			
			133
			100
			100
			100
Final MoldSCORE			102

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MoldSCORE™: Spore Trap Report

Location: 20801001-TM06CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█	█	█	100
Bipolaris/Drechslera group					ND	< 13	█	█	█	100
Chaetomium					ND	< 13	█	█	█	100
Cladosporium	█				1	53	█	█	█	102
Curvularia					ND	< 13	█	█	█	100
Nigrospora					ND	< 13	█	█	█	100
Penicillium/Aspergillus types†					ND	< 13	█	█	█	100
Stachybotrys					ND	< 13	█	█	█	100
Torula					ND	< 13	█	█	█	100
Seldom found growing indoors**										
Ascospores††					ND	< 13	█	█	█	100
Basidiospores††					ND	< 13	█	█	█	100
Rusts	█				1	13	█	█	█	105
Smuts, Periconia, Myxomycetes††					ND	< 13	█	█	█	100
Total						66	Final MoldSCORE 102			

Location: 20801001-TM07CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█	█	█	100
Bipolaris/Drechslera group					ND	< 13	█	█	█	100
Chaetomium					ND	< 13	█	█	█	100
Cladosporium	█				1	53	█	█	█	102
Curvularia					ND	< 13	█	█	█	100
Nigrospora					ND	< 13	█	█	█	100
Penicillium/Aspergillus types†					ND	< 13	█	█	█	100
Stachybotrys					ND	< 13	█	█	█	100
Torula					ND	< 13	█	█	█	100
Seldom found growing indoors**										
Ascospores††					ND	< 13	█	█	█	100
Basidiospores††					ND	< 13	█	█	█	100
Rusts	█				1	13	█	█	█	105
Smuts, Periconia, Myxomycetes††					ND	< 13	█	█	█	100
Total						66	Final MoldSCORE 102			

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

MoldSCORE™: Spore Trap Report

Location: 20801001-TM08CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					ND	< 13				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†					ND	< 13				100
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					2	107				105
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						107				Final MoldSCORE 105

Location: 20801001-TM09CL

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

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

MoldSCORE™: Spore Trap Report

Location: 20801001-TM10CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				2	107	█			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‡‡	█				2	107	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes‡‡					ND	< 13	█			100
Total						214				Final MoldSCORE 103

Location: 20801001-TM11CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				1	53	█			102
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	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes‡‡					ND	< 13	█			100
Total						106				Final MoldSCORE 102

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

MoldSCORE™: Spore Trap Report

Location: 20801001-TM12CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	100			
Bipolaris/Drechslera group					ND	< 13	100			
Chaetomium					ND	< 13	100			
Cladosporium	█				2	107	104			
Curvularia					ND	< 13	100			
Nigrospora					ND	< 13	100			
Other brown	█				1	13	105			
Penicillium/Aspergillus types†					ND	< 13	100			
Stachybotrys					ND	< 13	100			
Torula					ND	< 13	100			
Seldom found growing indoors**										
Ascospores††					ND	< 13	100			
Basidiospores††	█				1	53	100			
Rusts					ND	< 13	100			
Smuts, Periconia, Myxomycetes††					ND	< 13	100			
Total						173	Final MoldSCORE 105			

Location: 20801001-TM13CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	100			
Bipolaris/Drechslera group					ND	< 13	100			
Chaetomium					ND	< 13	100			
Cladosporium	█				1	53	102			
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	100			
Rusts					ND	< 13	100			
Smuts, Periconia, Myxomycetes††					ND	< 13	100			
Total						106	Final MoldSCORE 102			

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

MoldSCORE™: Spore Trap Report

Location: 20801001-TM14CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				1	53	█			102
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	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes††					ND	< 13	█			100
Total						106				Final MoldSCORE 102

Location: 20801001-TM15CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				1	53	█			102
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	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes††					ND	< 13	█			100
Total						106				Final MoldSCORE 102

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

MoldSCORE™: Spore Trap Report

Location: 20801001-TM16CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				1	53	█			102
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Other brown	█				1	13	█			105
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores††					ND	< 13	█			100
Basidiospores††					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes††					ND	< 13	█			100
Total						66	Final MoldSCORE 105			

*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.

††Most of these spore types are not seen with culturable methods (Anderson sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores.

‡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.

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

MoldSCORE™: Spore Trap Report

Location: 20801001-TM06CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				1	53	█			101
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores††					ND	< 13	█			100
Basidiospores††					ND	< 13	█			100
Rusts	█				1	13	█			105
Smuts, Periconia, Myxomycetes††					ND	< 13	█			100
Total						66				Final MoldSCORE 101

Location: 20801001-TM07CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				1	53	█			101
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores††					ND	< 13	█			100
Basidiospores††					ND	< 13	█			100
Rusts	█				1	13	█			105
Smuts, Periconia, Myxomycetes††					ND	< 13	█			100
Total						66				Final MoldSCORE 101

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

MoldSCORE™: Spore Trap Report

Location: 20801001-TM08CL

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

Location: 20801001-TM09CL

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

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

MoldSCORE™: Spore Trap Report

Location: 20801001-TM10CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█	█	█	100
Bipolaris/Drechslera group					ND	< 13	█	█	█	100
Chaetomium					ND	< 13	█	█	█	100
Cladosporium	█				2	107	█	█	█	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††	█				2	107	█	█	█	103
Rusts					ND	< 13	█	█	█	100
Smuts, Periconia, Myxomycetes††					ND	< 13	█	█	█	100
Total						214	Final MoldSCORE 103			

Location: 20801001-TM11CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█	█	█	100
Bipolaris/Drechslera group					ND	< 13	█	█	█	100
Chaetomium					ND	< 13	█	█	█	100
Cladosporium	█				1	53	█	█	█	100
Curvularia					ND	< 13	█	█	█	100
Nigrospora					ND	< 13	█	█	█	100
Penicillium/Aspergillus types†					ND	< 13	█	█	█	100
Stachybotrys					ND	< 13	█	█	█	100
Torula					ND	< 13	█	█	█	100
Seldom found growing indoors**										
Ascospores††					ND	< 13	█	█	█	100
Basidiospores††	█				1	53	█	█	█	101
Rusts					ND	< 13	█	█	█	100
Smuts, Periconia, Myxomycetes††					ND	< 13	█	█	█	100
Total						106	Final MoldSCORE 101			

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

MoldSCORE™: Spore Trap Report

Location: 20801001-TM12CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				2	107	█			102
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Other brown	█				1	13	█			105
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores††					ND	< 13	█			100
Basidiospores††	█				1	53	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes††					ND	< 13	█			100
Total						173				Final MoldSCORE 105

Location: 20801001-TM13CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				1	53	█			100
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores††					ND	< 13	█			100
Basidiospores††	█				1	53	█			101
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes††					ND	< 13	█			100
Total						106				Final MoldSCORE 101

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

MoldSCORE™: Spore Trap Report

Location: 20801001-TM14CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					1	53				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†					ND	< 13				100
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					1	53				101
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						106				Final MoldSCORE 101

Location: 20801001-TM15CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					1	53				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†					ND	< 13				100
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					1	53				101
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						106				Final MoldSCORE 101

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-08-2008

MoldSCORE™: Spore Trap Report

Location: 20801001-TM16CL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				1	53	█			101
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Other brown	█				1	13	█			105
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores††					ND	< 13	█			100
Basidiospores††					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes††					ND	< 13	█			100
Total						66	Final MoldSCORE 105			

*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.

††Most of these spore types are not seen with culturable methods (Anderson sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores.

‡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

Report for:

Mr. Wes Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20801001
 EML ID: 374439

Approved by:

Lab Manager
Dr. Kamashwaran Ramanathan

Dates of Analysis:
Culturable air fungi (Incl. Asp spp.): 01-10-2008
Spore trap analysis: 01-08-2008

Project SOPs: Culturable air fungi (Incl. Asp spp.) (I100002), Spore trap analysis (I100000)

This coversheet is included with your report in order to comply with AIHA and ISO accreditation requirements.

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. 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 corrections of results is not a standard practice. 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.

Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-03-2008
 Date of Receipt: 01-04-2008
 Date of Report: 01-10-2008

CULTURABLE AIR FUNGI REPORT

Location:	20801001-VM01outCL		20801001-VM02CL		20801001-VM03CL		20801001-VM04CL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1639954-1		1639955-1		1639956-1		1639957-1	
	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3
Acremonium								
Alternaria								
Aspergillus flavus								
Aspergillus fumigatus								
Aspergillus nidulans								
Aspergillus niger			1	18				
Aspergillus ochraceus								
Aspergillus versicolor								
Aureobasidium								
Basidiomycetes								
Bipolaris/Drechslera group								
Botrytis	1	18						
Chaetomium								
Cladosporium	70	1,360					2	35
Curvularia								
Epicoccum	1	18						
Fusarium								
Non-sporulating fungi							1	18
Paecilomyces								
Penicillium	6	106						
Phoma								
Rhizopus								
Stachybotrys chartarum								
Ulocladium								
Yeasts	2	35						
Positive Hole	400		400		400		400	
Sample volume (liters)	56.6		56.6		56.6		56.6	
TOTAL CFU*/M3		1,537		18		< 18		53

* cfu = colony forming units Positive hole correction chart used for all calculations

Comments:

Note: Interpretation is left to the company and/or persons who conducted the field work. Variation is an inherent part of biological sampling. The presence or absence of a few genera in small numbers should not be considered abnormal.
 NORMAL SPORE LEVELS: Indoor spore levels usually average 30 to 80% of the outdoor spore level at the time of sampling, with the same general distribution of spore types. Filtered air, air-conditioned air, or air remote from outside sources may average 5 to 15% of the outside air at the time of sampling. (These percentages are guidelines, only. A major factor is the accessibility of outdoor air. A residence with open doors and windows and heavy foot traffic may average 95% of the outdoor level while high rise office buildings with little air exchange may average 2%. Dusty interiors may exceed 100% of the outdoors to some degree, but will still mirror the outdoor distribution of spore types.)
 PROBLEM INTERIORS: A substantial increase of one or two spore types which are inconsistent with and non-reflective of the outside distribution of spore types is usually indicative of an indoor reservoir of mold growth.
 The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
 ‡ A "Version" greater than 1 indicates amended data.

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20801001

Date of Sampling: 01-03-2008
Date of Receipt: 01-04-2008
Date of Report: 01-10-2008

CULTURABLE AIR FUNGI REPORT

Location:	20801001-VM05CL		20801001-VM06CL		20801001-VM07CL		20801001-VM08CL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1639958-1		1639959-1		1639960-1		1639961-1	
	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3
Acremonium								
Alternaria								
Aspergillus flavus								
Aspergillus fumigatus								
Aspergillus nidulans								
Aspergillus niger								
Aspergillus ochraceus								
Aspergillus versicolor								
Aureobasidium								
Basidiomycetes								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	4	71			1	18	1	18
Curvularia								
Epicoccum								
Fusarium								
Non-sporulating fungi								
Paecilomyces								
Penicillium					2	35		
Phoma								
Rhizopus								
Stachybotrys chartarum								
Ulocladium								
Yeasts								
Positive Hole	400		400		400		400	
Sample volume (liters)	56.6		56.6		56.6		56.6	
TOTAL CFU*/M3		71		< 18		53		18

* cfu = colony forming units

Positive hole correction chart used for all calculations

Comments:

Note: Interpretation is left to the company and/or persons who conducted the field work. Variation is an inherent part of biological sampling. The presence or absence of a few genera in small numbers should not be considered abnormal.
 NORMAL SPORE LEVELS: Indoor spore levels usually average 30 to 80% of the outdoor spore level at the time of sampling, with the same general distribution of spore types. Filtered air, air-conditioned air, or air remote from outside sources may average 5 to 15% of the outside air at the time of sampling. (These percentages are guidelines, only. A major factor is the accessibility of outdoor air. A residence with open doors and windows and heavy foot traffic may average 95% of the outdoor level while high rise office buildings with little air exchange may average 2%. Dusty interiors may exceed 100% of the outdoors to some degree, but will still mirror the outdoor distribution of spore types.)
 PROBLEM INTERIORS: A substantial increase of one or two spore types which are inconsistent with and non-reflective of the outside distribution of spore types is usually indicative of an indoor reservoir of mold growth.
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Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20801001

Date of Sampling: 01-03-2008
Date of Receipt: 01-04-2008
Date of Report: 01-10-2008

CULTURABLE AIR FUNGI REPORT

Location:	20801001-VM09CL		20801001-VM10outCL	
Comments (see below)	None		A	
Lab ID-Version‡:	1639962-1		1639963-1	
	raw ct.	cfu*/m3	raw ct.	cfu*/m3
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus fumigatus				
Aspergillus nidulans				
Aspergillus niger				
Aspergillus ochraceus				
Aspergillus versicolor				
Aureobasidium				
Basidiomycetes				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	1	18	100	2,030
Curvularia				
Epicoccum				
Fusarium				
Non-sporulating fungi			2	35
Paecilomyces				
Penicillium			6	106
Phoma				
Rhizopus			1	18
Stachybotrys chartarum				
Ulocladium				
Yeasts			2	35
Positive Hole	400		400	
Sample volume (liters)	56.6		56.6	
TOTAL CFU*/M3		18		2,224

* cfu = colony forming units Positive hole correction chart used for all calculations

Comments:A) The sample was overgrown with a *Rhizopus* species which may have reduced or eliminated the presence of other fungi.

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 NORMAL SPORE LEVELS: Indoor spore levels usually average 30 to 80% of the outdoor spore level at the time of sampling, with the same general distribution of spore types. Filtered air, air-conditioned air, or air remote from outside sources may average 5 to 15% of the outside air at the time of sampling. (These percentages are guidelines, only. A major factor is the accessibility of outdoor air. A residence with open doors and windows and heavy foot traffic may average 95% of the outdoor level while high rise office buildings with little air exchange may average 2%. Dusty interiors may exceed 100% of the outdoors to some degree, but will still mirror the outdoor distribution of spore types.)
 PROBLEM INTERIORS: A substantial increase of one or two spore types which are inconsistent with and non-reflective of the outside distribution of spore types is usually indicative of an indoor reservoir of mold growth.
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 ‡ A "Version" greater than 1 indicates amended data.



EMLab P&K

Report for:

Mr. Wes Frey
Hygiene Technologies International, Inc.: Northern California
3127 Bowen Island Street
West Sacramento, CA 95691

Regarding: Project: 20801001
 EML ID: 376649

Approved by:

Lab Manager
Dr. Kamashwaran Ramanathan

Dates of Analysis:
Direct microscopic exam (Qualitative): 01-15-2008
Spore trap analysis: 01-15-2008

Project SOPs: Direct microscopic exam (Qualitative) (I100006), Spore trap analysis (I100000)

This coversheet is included with your report in order to comply with AIHA and ISO accreditation requirements.

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. 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 corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20801001

Date of Sampling: 01-10-2008
Date of Receipt: 01-11-2008
Date of Report: 01-15-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20801001-TM18outCL		20801001-TM19CCCL		20801001-TM20CCCL		20801001-TM21CCCL		20801001-TM22CCCL	
Comments (see below)	None		None		None		None		None	
Lab ID-Version‡:	1651481-1		1651482-1		1651483-1		1651484-1		1651485-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria										
Arthrinium										
Ascospores*	26	1,390	1	53						
Aureobasidium										
Basidiospores*	152	8,110	3	160	4	213	2	107	2	107
Bipolaris/Drechslera group										
Botrytis										
Chaetomium										
Cladosporium	4	213	3	160	3	160	1	53	2	107
Curvularia										
Epicoccum										
Fusarium										
Myrothecium										
Nigrospora							1	13	1	13
Other brown										
Other colorless										
Penicillium/Aspergillus types†	2	107	2	107						
Pithomyces										
Rusts*							1	13		
Smuts*, Periconia, Myxomycetes*	1	13	1	13	1	13	1	13	3	40
Stachybotrys										
Stemphylium										
Torula					1	13				
Ulocladium										
Zygomycetes										
Background debris (1-4+)††	2+		3+		3+		3+		3+	
Hyphal fragments/m3	13		27		40		13		40	
Pollen/m3	< 13		13		13		< 13		< 13	
Skin cells (1-4+)	< 1+		3+		3+		3+		3+	
Sample volume (liters)	75		75		75		75		75	
TOTAL SPORE/m3		9,833		493		399		199		267

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

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

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

The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.

‡ A "Version" greater than 1 indicates amended data.

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-10-2008
 Date of Receipt: 01-11-2008
 Date of Report: 01-15-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20801001-TM23CCCL		20801001-TM24CCCL		20801001-TM25CCCL		20801001-TM26CCCL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1651486-1		1651487-1		1651488-1		1651489-1	
	raw ct.	spores/m3						
Alternaria			1	13	1	13	1	13
Arthrinium								
Ascospores*			1	53				
Aureobasidium								
Basidiospores*	2	107	1	53			1	53
Bipolaris/Drechslera group								
Botrytis								
Chaetomium	1	13						
Cladosporium	3	160	3	160	2	107	4	213
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora			1	13				
Other brown							1	13
Other colorless								
Penicillium/Aspergillus types†			1	53			3	160
Pithomyces								
Rusts*							3	40
Smuts*, Periconia, Myxomycetes*							3	40
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	3+		3+		3+		3+	
Hyphal fragments/m3	27		40		13		27	
Pollen/m3	< 13		13		< 13		27	
Skin cells (1-4+)	2+		3+		3+		3+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		280		345		120		532

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

† 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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Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20801001

Date of Sampling: 01-10-2008
Date of Receipt: 01-11-2008
Date of Report: 01-15-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20801001-TM27CCCL		20801001-TM28CCCL		20801001-TM29CCCL		20801001-TM30outCL	
Comments (see below)	None		None		A		None	
Lab ID-Version‡:	1651490-1		1651491-1		1651492-1		1651493-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria					1	13		
Arthrinium								
Ascospores*					1	53	65	3,470
Aureobasidium								
Basidiospores*	2	107	3	160			134	7,150
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	1	53	2	107	17	387	19	1,010
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†					2	107	3	160
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*					1	13		
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		3+		3+		2+	
Hyphal fragments/m3	< 13		13		< 13		< 13	
Pollen/m3	< 13		13		13		40	
Skin cells (1-4+)	2+		3+		3+		< 1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		160		267		573		11,790

Comments: A) 13 of the raw count *Cladosporium* spores were present as a single clump.

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

† 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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Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20801001

Date of Sampling: 01-10-2008
Date of Receipt: 01-11-2008
Date of Report: 01-15-2008

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 20801001-TM18outCL**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: January				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	13	170	33	7	27	230	61
Bipolaris/Drechslera group	-	7	13	190	11	7	13	120	14
Chaetomium	-	7	13	150	8	7	13	110	19
Cladosporium	213	27	320	4,800	90	53	640	6,500	98
Curvularia	-	7	13	450	10	7	13	220	7
Nigrospora	-	7	13	140	9	7	13	170	8
Penicillium/Aspergillus types	107	27	210	2,300	85	44	210	2,500	89
Stachybotrys	-	7	13	740	3	7	13	320	5
Torula	-	7	13	180	5	7	13	150	13
Seldom found growing indoors**									
Ascospores	1,390	13	120	2,400	64	13	110	1,800	73
Basidiospores	8,110	13	320	11,000	87	13	270	7,100	95
Rusts	-	7	13	200	10	7	13	270	29
Smuts, Periconia, Myxomycetes	13	7	27	270	56	8	40	480	72
TOTAL SPORES/M3	9,833								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 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, 2.5% 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.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated for the entire year. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

*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.

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

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wes Frey
Re: 20801001

Date of Sampling: 01-10-2008
Date of Receipt: 01-11-2008
Date of Report: 01-15-2008

MoldRANGE™: Extended Outdoor Comparison**Outdoor Location: 20801001-TM30outCL**

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: January				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	13	170	33	7	27	230	61
Bipolaris/Drechslera group	-	7	13	190	11	7	13	120	14
Chaetomium	-	7	13	150	8	7	13	110	19
Cladosporium	1,010	27	320	4,800	90	53	640	6,500	98
Curvularia	-	7	13	450	10	7	13	220	7
Nigrospora	-	7	13	140	9	7	13	170	8
Penicillium/Aspergillus types	160	27	210	2,300	85	44	210	2,500	89
Stachybotrys	-	7	13	740	3	7	13	320	5
Torula	-	7	13	180	5	7	13	150	13
Seldom found growing indoors**									
Ascospores	3,470	13	120	2,400	64	13	110	1,800	73
Basidiospores	7,150	13	320	11,000	87	13	270	7,100	95
Rusts	-	7	13	200	10	7	13	270	29
Smuts, Periconia, Myxomycetes	-	7	27	270	56	8	40	480	72
TOTAL SPORES/M3	11,790								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 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, 2.5% 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.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated for the entire year. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

*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.

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

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-10-2008
 Date of Receipt: 01-11-2008
 Date of Report: 01-15-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 20801001-TM18outCL:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Ascospores				1,390	13 - 160 - 4,300	76
Basidiospores				8,110	13 - 320 - 14,000	93
Cladosporium				213	50 - 530 - 8,500	95
Penicillium/Aspergillus types				107	27 - 210 - 2,600	86
Smuts, Periconia, Myxomycetes				13	7 - 40 - 770	71
Total				9,833		

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

Indoor Samples

Location: 20801001-TM19CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 1.0000	dF: 5 Result: 0.6250 Critical value: 0.8000 Outside Similar: No	Score: 116 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Ascospores					53
Basidiospores					160
Cladosporium					160
Penicillium/Aspergillus types					107
Smuts, Periconia, Myxomycetes					13
Total					493

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-10-2008
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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20801001-TM20CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: 0.3143 Critical value: 0.7714 Outside Similar: No	Score: 110 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					213
Cladosporium					160
Smuts, Periconia, Myxomycetes					13
Torula					13
Total					399

Location: 20801001-TM21CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.6000	dF: 7 Result: 0.2679 Critical value: 0.6786 Outside Similar: No	Score: 108 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					107
Cladosporium					53
Nigrospora					13
Rusts					13
Smuts, Periconia, Myxomycetes					13
Total					199

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-10-2008
 Date of Receipt: 01-11-2008
 Date of Report: 01-15-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20801001-TM22CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: 0.2857 Critical value: 0.7714 Outside Similar: No	Score: 113 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					107
Cladosporium					107
Nigrospora					13
Smuts, Periconia, Myxomycetes					40
Total					267

Location: 20801001-TM23CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.3143 Critical value: 0.7714 Outside Similar: No	Score: 121 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					107
Chaetomium					13
Cladosporium					160
Total					280

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 Northern California
 C/O: Mr. Wes Frey
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Date of Sampling: 01-10-2008
 Date of Receipt: 01-11-2008
 Date of Report: 01-15-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20801001-TM24CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.7273	dF: 7 Result: 0.7143 Critical value: 0.6786 Outside Similar: Yes	Score: 110 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Ascospores					53
Basidiospores					53
Cladosporium					160
Nigrospora					13
Penicillium/Aspergillus types					53
Total					345

Location: 20801001-TM25CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: -0.1143 Critical value: 0.7714 Outside Similar: No	Score: 107 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Cladosporium					107
Total					120

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 Re: 20801001

Date of Sampling: 01-10-2008
 Date of Receipt: 01-11-2008
 Date of Report: 01-15-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20801001-TM26CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.6667	dF: 8 Result: 0.3452 Critical value: 0.6190 Outside Similar: No	Score: 124 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Basidiospores					53
Cladosporium					213
Other brown					13
Penicillium/Aspergillus types					160
Rusts					40
Smuts, Periconia, Myxomycetes					40
Total					532

Location: 20801001-TM27CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.5714	dF: 5 Result: 0.7000 Critical value: 0.8000 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					107
Cladosporium					53
Total					160

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 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-10-2008
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 Date of Report: 01-15-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20801001-TM28CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.5714	dF: 5 Result: 0.7000 Critical value: 0.8000 Outside Similar: No	Score: 106 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					160
Cladosporium					107
Total					267

Location: 20801001-TM29CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.8000	dF: 6 Result: -0.0429 Critical value: 0.7714 Outside Similar: No	Score: 124 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Ascospores					53
Cladosporium					387
Penicillium/Aspergillus types					107
Smuts, Periconia, Myxomycetes					13
Total					573

* 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.

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Northern California
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Date of Sampling: 01-10-2008
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MoldSTAT™: Supplementary Statistical Spore Trap Report

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

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

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 Northern California
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Date of Sampling: 01-10-2008
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MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 20801001-TM30outCL:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Ascospores					13 - 160 - 4,300	76
Basidiospores					13 - 320 - 14,000	93
Cladosporium					50 - 530 - 8,500	95
Penicillium/Aspergillus types					27 - 210 - 2,600	86
Smuts, Periconia, Myxomycetes					7 - 40 - 770	71
Total						

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

Indoor Samples

Location: 20801001-TM19CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.8889	dF: 5 Result: 0.6250 Critical value: 0.8000 Outside Similar: No	Score: 116 Result: Low
Species Detected	Spores/m3			
	<100	1K	10K	>100K
Ascospores				
Basidiospores				
Cladosporium				
Penicillium/Aspergillus types				
Smuts, Periconia, Myxomycetes				
Total				

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20801001-TM20CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.3286 Critical value: 0.7714 Outside Similar: No	Score: 108 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					213
Cladosporium					160
Smuts, Periconia, Myxomycetes					13
Torula					13
Total					399

Location: 20801001-TM21CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.4444	dF: 7 Result: 0.2946 Critical value: 0.6786 Outside Similar: No	Score: 108 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					107
Cladosporium					53
Nigrospora					13
Rusts					13
Smuts, Periconia, Myxomycetes					13
Total					199

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Date of Sampling: 01-10-2008
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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20801001-TM22CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.2714 Critical value: 0.7714 Outside Similar: No	Score: 113 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					107
Cladosporium					107
Nigrospora					13
Smuts, Periconia, Myxomycetes					40
Total					267

Location: 20801001-TM23CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.5714	dF: 5 Result: 0.2250 Critical value: 0.8000 Outside Similar: No	Score: 121 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					107
Chaetomium					13
Cladosporium					160
Total					280

Client: Hygiene Technologies International, Inc.:
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Date of Sampling: 01-10-2008
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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20801001-TM24CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.8000	dF: 6 Result: 0.7143 Critical value: 0.7714 Outside Similar: No	Score: 110 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Ascospores					53
Basidiospores					53
Cladosporium					160
Nigrospora					13
Penicillium/Aspergillus types					53
Total					345

Location: 20801001-TM25CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: -0.3000 Critical value: 0.8000 Outside Similar: No	Score: 106 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Cladosporium					107
Total					120

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 Northern California
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Date of Sampling: 01-10-2008
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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20801001-TM26CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.5455	dF: 8 Result: 0.3333 Critical value: 0.6190 Outside Similar: No	Score: 124 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Basidiospores					53
Cladosporium					213
Other brown					13
Penicillium/Aspergillus types					160
Rusts					40
Smuts, Periconia, Myxomycetes					40
Total					532

Location: 20801001-TM27CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.6667	dF: 4 Result: 0.6500 Critical value: N/A Outside Similar: N/A	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					107
Cladosporium					53
Total					160

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
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Date of Sampling: 01-10-2008
 Date of Receipt: 01-11-2008
 Date of Report: 01-15-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20801001-TM28CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.6667	dF: 4 Result: 0.6500 Critical value: N/A Outside Similar: N/A	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					160
Cladosporium					107
Total					267

Location: 20801001-TM29CCCL

% 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: 10 Result: 10.1983 Critical value: 18.3070 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: -0.0286 Critical value: 0.7714 Outside Similar: No	Score: 122 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Ascospores					53
Cladosporium					387
Penicillium/Aspergillus types					107
Smuts, Periconia, Myxomycetes					13
Total					573

* 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.

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MoldSTAT™: Supplementary Statistical Spore Trap Report

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

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 Date of Report: 01-15-2008

MoldSCORE™: Spore Trap Report

Location: 20801001-TM20CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█	█	█	100
Bipolaris/Drechslera group					ND	< 13	█	█	█	100
Chaetomium					ND	< 13	█	█	█	100
Cladosporium	█				3	160	█	█	█	110
Curvularia					ND	< 13	█	█	█	100
Nigrospora					ND	< 13	█	█	█	100
Penicillium/Aspergillus types†					ND	< 13	█	█	█	100
Stachybotrys					ND	< 13	█	█	█	100
Torula	█				1	13	█	█	█	105
Seldom found growing indoors**										
Ascospores††					ND	< 13	█	█	█	100
Basidiospores††	█				4	213	█	█	█	100
Rusts					ND	< 13	█	█	█	100
Smuts, Periconia, Myxomycetes††	█				1	13	█	█	█	102
Total						399	Final MoldSCORE			110

Location: 20801001-TM21CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█	█	█	100
Bipolaris/Drechslera group					ND	< 13	█	█	█	100
Chaetomium					ND	< 13	█	█	█	100
Cladosporium	█				1	53	█	█	█	103
Curvularia					ND	< 13	█	█	█	100
Nigrospora	█				1	13	█	█	█	105
Penicillium/Aspergillus types†					ND	< 13	█	█	█	100
Stachybotrys					ND	< 13	█	█	█	100
Torula					ND	< 13	█	█	█	100
Seldom found growing indoors**										
Ascospores††					ND	< 13	█	█	█	100
Basidiospores††	█				2	107	█	█	█	100
Rusts	█				1	13	█	█	█	105
Smuts, Periconia, Myxomycetes††	█				1	13	█	█	█	103
Total						199	Final MoldSCORE			108

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-10-2008
 Date of Receipt: 01-11-2008
 Date of Report: 01-15-2008

MoldSCORE™: Spore Trap Report

Location: 20801001-TM22CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				2	107	█			106
Curvularia					ND	< 13	█			100
Nigrospora	█				1	13	█			105
Penicillium/Aspergillus types†					ND	< 13	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores††					ND	< 13	█			100
Basidiospores††	█				2	107	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes††	█				3	40	█			108
Total						267	Final MoldSCORE 113			

Location: 20801001-TM23CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium	█				1	13	█	█		121
Cladosporium	█				3	160	█			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	107	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes††					ND	< 13	█			100
Total						280	Final MoldSCORE 121			

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MoldSCORE™: Spore Trap Report

Location: 20801001-TM24CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria	█				1	13	█			105
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				3	160	█			110
Curvularia					ND	< 13	█			100
Nigrospora	█				1	13	█			105
Penicillium/Aspergillus types†	█				1	53	█			108
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores††	█				1	53	█			102
Basidiospores††	█				1	53	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes††					ND	< 13	█			100
Total						345	Final MoldSCORE 110			

Location: 20801001-TM25CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria	█				1	13	█			105
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				2	107	█			107
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						120	Final MoldSCORE 107			

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MoldSCORE™: Spore Trap Report

Location: 20801001-TM26CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					1	13				
Bipolaris/Drechslera group					ND	< 13				
Chaetomium					ND	< 13				
Cladosporium					4	213				
Curvularia					ND	< 13				
Nigrospora					ND	< 13				
Other brown					1	13				
Penicillium/Aspergillus types†					3	160				
Stachybotrys					ND	< 13				
Torula					ND	< 13				
Seldom found growing indoors**										
Ascospores††					ND	< 13				
Basidiospores††					1	53				
Rusts					3	40				
Smuts, Periconia, Myxomycetes††					3	40				
Total						532	Final MoldSCORE 124			

Location: 20801001-TM27CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				
Bipolaris/Drechslera group					ND	< 13				
Chaetomium					ND	< 13				
Cladosporium					1	53				
Curvularia					ND	< 13				
Nigrospora					ND	< 13				
Penicillium/Aspergillus types†					ND	< 13				
Stachybotrys					ND	< 13				
Torula					ND	< 13				
Seldom found growing indoors**										
Ascospores††					ND	< 13				
Basidiospores††					2	107				
Rusts					ND	< 13				
Smuts, Periconia, Myxomycetes††					ND	< 13				
Total						160	Final MoldSCORE 103			

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MoldSCORE™: Spore Trap Report

Location: 20801001-TM28CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				2	107	█			106
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††	█				3	160	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes††					ND	< 13	█			100
Total						267	Final MoldSCORE 106			

Location: 20801001-TM29CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria	█				1	13	█			105
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█	█			17	387	█	█		124
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†	█				2	107	█			116
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores††	█				1	53	█			100
Basidiospores††					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes††	█				1	13	█			102
Total						573	Final MoldSCORE 124			

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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.

††Most of these spore types are not seen with culturable methods (Anderson sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores.

‡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.

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MoldSCORE™: Spore Trap Report

Location: 20801001-TM20CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█	█	█	100
Bipolaris/Drechslera group					ND	< 13	█	█	█	100
Chaetomium					ND	< 13	█	█	█	100
Cladosporium	█				3	160	█	█	█	108
Curvularia					ND	< 13	█	█	█	100
Nigrospora					ND	< 13	█	█	█	100
Penicillium/Aspergillus types†					ND	< 13	█	█	█	100
Stachybotrys					ND	< 13	█	█	█	100
Torula	█				1	13	█	█	█	105
Seldom found growing indoors**										
Ascospores††					ND	< 13	█	█	█	100
Basidiospores††	█				4	213	█	█	█	100
Rusts					ND	< 13	█	█	█	100
Smuts, Periconia, Myxomycetes††	█				1	13	█	█	█	103
Total						399	Final MoldSCORE 108			

Location: 20801001-TM21CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█	█	█	100
Bipolaris/Drechslera group					ND	< 13	█	█	█	100
Chaetomium					ND	< 13	█	█	█	100
Cladosporium	█				1	53	█	█	█	102
Curvularia					ND	< 13	█	█	█	100
Nigrospora	█				1	13	█	█	█	105
Penicillium/Aspergillus types†					ND	< 13	█	█	█	100
Stachybotrys					ND	< 13	█	█	█	100
Torula					ND	< 13	█	█	█	100
Seldom found growing indoors**										
Ascospores††					ND	< 13	█	█	█	100
Basidiospores††	█				2	107	█	█	█	100
Rusts	█				1	13	█	█	█	105
Smuts, Periconia, Myxomycetes††	█				1	13	█	█	█	103
Total						199	Final MoldSCORE 108			

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MoldSCORE™: Spore Trap Report

Location: 20801001-TM22CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	100			
Bipolaris/Drechslera group					ND	< 13	100			
Chaetomium					ND	< 13	100			
Cladosporium	█				2	107	105			
Curvularia					ND	< 13	100			
Nigrospora	█				1	13	105			
Penicillium/Aspergillus types†					ND	< 13	100			
Stachybotrys					ND	< 13	100			
Torula					ND	< 13	100			
Seldom found growing indoors**										
Ascospores‡‡					ND	< 13	100			
Basidiospores‡‡	█				2	107	100			
Rusts					ND	< 13	100			
Smuts, Periconia, Myxomycetes‡‡	█				3	40	108			
Total						267	Final MoldSCORE 113			

Location: 20801001-TM23CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	100			
Bipolaris/Drechslera group					ND	< 13	100			
Chaetomium	█				1	13	121			
Cladosporium	█				3	160	109			
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	107	100			
Rusts					ND	< 13	100			
Smuts, Periconia, Myxomycetes‡‡					ND	< 13	100			
Total						280	Final MoldSCORE 121			

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MoldSCORE™: Spore Trap Report

Location: 20801001-TM24CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria	█				1	13	█			105
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				3	160	█			108
Curvularia					ND	< 13	█			100
Nigrospora	█				1	13	█			105
Penicillium/Aspergillus types†	█				1	53	█			108
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores††	█				1	53	█			100
Basidiospores††	█				1	53	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes††					ND	< 13	█			100
Total						345	Final MoldSCORE 110			

Location: 20801001-TM25CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria	█				1	13	█			105
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				2	107	█			106
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						120	Final MoldSCORE 106			

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MoldSCORE™: Spore Trap Report

Location: 20801001-TM26CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					1	13				
Bipolaris/Drechslera group					ND	< 13				
Chaetomium					ND	< 13				
Cladosporium					4	213				
Curvularia					ND	< 13				
Nigrospora					ND	< 13				
Other brown					1	13				
Penicillium/Aspergillus types†					3	160				
Stachybotrys					ND	< 13				
Torula					ND	< 13				
Seldom found growing indoors**										
Ascospores††					ND	< 13				
Basidiospores††					1	53				
Rusts					3	40				
Smuts, Periconia, Myxomycetes††					3	40				
Total						532	Final MoldSCORE 124			

Location: 20801001-TM27CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				
Bipolaris/Drechslera group					ND	< 13				
Chaetomium					ND	< 13				
Cladosporium					1	53				
Curvularia					ND	< 13				
Nigrospora					ND	< 13				
Penicillium/Aspergillus types†					ND	< 13				
Stachybotrys					ND	< 13				
Torula					ND	< 13				
Seldom found growing indoors**										
Ascospores††					ND	< 13				
Basidiospores††					2	107				
Rusts					ND	< 13				
Smuts, Periconia, Myxomycetes††					ND	< 13				
Total						160	Final MoldSCORE 102			

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MoldSCORE™: Spore Trap Report

Location: 20801001-TM28CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				2	107	█			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††	█				3	160	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes††					ND	< 13	█			100
Total						267	Final MoldSCORE 105			

Location: 20801001-TM29CCCL

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria	█				1	13	█			105
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█	█			17	387	█	█		122
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†	█				2	107	█			116
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores††	█				1	53	█			100
Basidiospores††					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes††	█				1	13	█			103
Total						573	Final MoldSCORE 122			

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Date of Report: 01-15-2008

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.

††Most of these spore types are not seen with culturable methods (Anderson sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores.

‡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.

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20801001

Date of Sampling: 01-10-2008
 Date of Receipt: 01-11-2008
 Date of Report: 01-15-2008

DIRECT MICROSCOPIC EXAMINATION REPORT

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 1651446-1: Swab sample 20801001-S01CL				
Heavy	Few	< 1+ <i>Cladosporium</i> species (spores, hyphae)	None	Minimal mold growth
Lab ID-Version: 1651447-1: Swab sample 20801001-S02CL				
Heavy	Few	< 1+ <i>Cladosporium</i> species (spores, hyphae) < 1+ <i>Alternaria</i> species (spores, hyphae)	None	Minimal mold growth
Lab ID-Version: 1651448-1: Swab sample 20801001-S03CL				
Heavy	Few	< 1+ <i>Penicillium</i> species (spores, hyphae, conidiophores) < 1+ <i>Cladosporium</i> species (spores, hyphae) < 1+ <i>Alternaria</i> species (spores, hyphae)	None	Minimal mold growth
Lab ID-Version: 1651449-1: Swab sample 20801001-S04CL				
Moderate	Few	< 1+ <i>Penicillium</i> species (spores, hyphae, conidiophores) < 1+ <i>Cladosporium</i> species (spores, hyphae) < 1+ <i>Alternaria</i> species (spores, hyphae)	None	Minimal mold growth
Lab ID-Version: 1651450-1: Swab sample 20801001-S05CL				
Heavy	Few	1+ <i>Penicillium</i> species (spores, hyphae, conidiophores) < 1+ <i>Cladosporium</i> species (spores, hyphae) < 1+ <i>Alternaria</i> species (spores, hyphae)	None	Mold growth
Lab ID-Version: 1651451-1: Swab sample 20801001-S06CL				
Heavy	Few	< 1+ <i>Cladosporium</i> species (spores, hyphae) < 1+ <i>Alternaria</i> species (spores, hyphae)	Moderate amounts of bacteria-like organisms detected.	Minimal mold growth and possible bacterial growth
Lab ID-Version: 1651452-1: Swab sample 20801001-S07CL				
Moderate	Very few	< 1+ <i>Cladosporium</i> species (spores, hyphae)	None	Minimal mold growth
Lab ID-Version: 1651453-1: Swab sample 20801001-S08CL				
Heavy	Few	< 1+ <i>Cladosporium</i> species (spores, hyphae)	None	Minimal mold growth

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments‡†	General Impression
Lab ID-Version‡: 1651454-1: Swab sample 20801001-S09CL				
Heavy	Few	< 1+ <i>Penicillium</i> species (spores, hyphae, conidiophores) < 1+ <i>Cladosporium</i> species (spores, hyphae)	None	Minimal mold growth
Lab ID-Version: 1651455-1: Tape sample 20801001-TL50CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651456-1: Tape sample 20801001-TL51CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651457-1: Tape sample 20801001-TL52CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651458-1: Tape sample 20801001-TL53CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651459-1: Tape sample 20801001-TL54CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651460-1: Tape sample 20801001-TL55CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651461-1: Tape sample 20801001-TL56CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651462-1: Tape sample 20801001-TL57CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651463-1: Tape sample 20801001-TL58CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651464-1: Tape sample 20801001-TL59CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651465-1: Tape sample 20801001-TL60CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651466-1: Tape sample 20801001-TL61CL				
Light	Very few	None	None	Normal trapping

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 1651467-1: Tape sample 20801001-TL62CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651468-1: Tape sample 20801001-TL63CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651469-1: Tape sample 20801001-TL64CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651470-1: Tape sample 20801001-TL65CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651471-1: Tape sample 20801001-TL66CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651472-1: Tape sample 20801001-TL67CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651473-1: Tape sample 20801001-TL68CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651474-1: Tape sample 20801001-TL69CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651475-1: Tape sample 20801001-TL70CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651476-1: Tape sample 20801001-TL71CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651477-1: Tape sample 20801001-TL72CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651478-1: Tape sample 20801001-TL73CL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1651479-1: Tape sample 20801001-TL74CL				
Light	Very few	None	None	Normal trapping

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 1651480-1: Tape sample 20801001-TL75CL				
Light	Very few	None	None	Normal trapping

‡ A "Version" greater than 1 indicates amended data.