



HYGIENETECH

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June 27, 2008

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

Document No. 20802001.11 Revised

Attention: David Gau

Regarding: Limited Indoor Air Quality Survey
8TH Floor

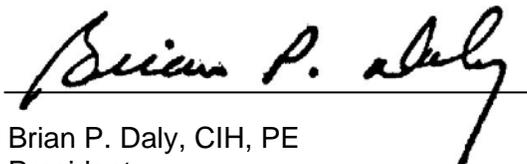
Dear Mr. Gau:

On various dates in February and March of 2008, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted a limited indoor air quality survey on the 8TH Floor of the California State Board of Equalization building located at the above mentioned address. At the time of the survey, various samples were collected and direct-reading instruments were used to assess the general indoor air quality on that floor, with a clear emphasis on establishing fungal growth exposure potential data. I have enclosed our report, which included general observations, sample 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 – 8TH 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 27, 2008



1.0 BACKGROUND

On various dates in February and March of 2008, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted a limited indoor air quality survey on the 8TH 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 8th 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 8TH 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. However, be advised that visible accumulation of debris, dust, and other particulates was observed on the reverse side of all sampled HVAC supply air registers.

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 20802001-114 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 a Zefon brand Bio-Pump™ equipped with Allergenco-D™ cassettes. All such samples were collected at various indoor locations and two samples were collected outdoors on the applicable survey date for comparison purposes. The resultant data, which are presented in spores per cubic meter of air (spores/M³), appear in Table 20802001-108.

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 purposes. 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 20802001-109.

3.3 Surface Fungal 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 20802001-110.

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 20802001-111.

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 Table 20802001-112.

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 AIHA field guide. These data are presented in mg/M³ and appear in Table 20802001-113.



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 8th 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 concentration was recorded at a stationary location using a Telaire[®] 7001 Carbon Dioxide and Temperature Monitor along with the HOBO[®] 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 HOBO[®] 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, *Cladosporium*, colorless spores typical of *Penicillium* and *Aspergillus* species, *Epicoccum*, *Oidium*, other brown, rusts, and/or smuts, with basidiospores predominating in both samples. Indoors, the data showed low airborne concentrations of common fungal spores that included one or more of the following: *Alternaria*, ascospores, basidiospores, *Cladosporium*, colorless spores typical of *Penicillium* and *Aspergillus* species, *Oidium*, other brown, other colorless, rusts and/or smuts. Indoors, the distribution of fungal spore types detected in the surveyed areas was consistent with those found outdoors, and the overall data within the tested areas were well below the overall 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 an overall level of 442 CFU/M³ in the two samples collected, with *Cladosporium* predominating in both. Indoors, low levels of common fungi were found including *Aspergillus fumigatus*, *A. niger*, *A. versicolor*, *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 8TH 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 heavy amounts of a bacteria-like organism on one of the eight locations sampled. 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 bacterial and 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 ranging from .005 to 0.012 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 0.11 or 0.12 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,



4.0 DISCUSSION (CONTINUED)

4.5 Airborne Total Dust (Continued)

Department of Industrial Relations, Division of Occupational Safety and Health (Cal-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 309 ng/m³ to 710 ng/m³, 2-hexanone at levels ranging from 58 ng/m³ to 116 ng/m³, and 2-heptanone at levels ranging from 50 ng/m³ to 166 ng/m³. Microbial growth related 1-butanol, 2-hexanone, and 2-heptanone 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, 2-heptanone, and 2-heptanone were detected at low levels without the other above mentioned MVOCs would indicate that its presence on the 8th Floor was most likely not fungal growth related and attributable to personal products such as perfumes and other personal cosmetic products. All such data are well below the applicable Cal-OSHA 8-hour TWA PELs as defined in T8, CCR § 5155.

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 503 to 649 ppm on the 8TH 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 72.5 and 73.9 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 well within the comfort range recommended for the winter months. Relative humidity data were recorded indoors at levels ranging from 26.3 to 28.7 percent. Such levels were well within the humidity level range of 20 to 60 percent as 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 assessment data involving the samples collected from various cubicle partitions throughout the 8TH 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 heavy amounts of a bacteria-like organism on one of the eight locations sampled. 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 bacterial and fungal growth.



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 309 ng/m³ to 710 ng/m³, 2-hexanone at levels ranging from 58 ng/m³ to 116 ng/m³, and 2-heptanone at levels ranging from 50 ng/m³ to 166 ng/m³. Microbial growth related 1-butanol, 2-hexanone, and 2-heptanone 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, 2-heptanone, and 2-heptanone were detected at low levels without the other above mentioned MVOCs would indicate that its presence on the 8TH Floor was most likely not fungal growth related and attributable to personal products such as perfumes and other personal cosmetic products. All such data are well below the applicable Cal-OSHA 8-hour TWA PELs as defined in T8, CCR § 5155.
- 5.5 Air temperatures ranged between 72.5 and 73.9 degrees Fahrenheit (°F) on the survey date. The air temperatures recorded in the surveyed areas were well within the comfort range recommended by ASHRAE for the winter months. Relative humidity data were recorded indoors at levels ranging from 26.3 to 28.7 percent. Such levels were well within the humidity level range of 20 to 60 percent as 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 8TH Floor, additional assessment evaluations may be required as more information is known regarding the history of water intrusion episodes in discrete building areas.

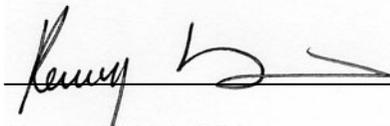
- 6.1 If not yet established, an accurate record of all air monitoring results should be maintained in accordance with Cal-OSHA regulation found in T8, CCR § 3204. All affected employees should be informed that the *exposure potential* data in this report exist and that those persons, or their representatives, 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 8TH 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 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 8TH 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 27, 2008



Brian P. Daly, CIH, PE
President

Date: June 27, 2008

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

**TABLE 20802001-108
AIRBORNE TOTAL FUNGI RESULTS
8TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 6 AND 17, 2008**

Page 1

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

SAMPLE NUMBER	20803001-TM01OUTME	20803001-TM02ME	20803001-TM03ME	20803001-TM04ME
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 30 feet east of building; approximately five feet above ground/Normal outdoor activities	Column K22 area; about 10 feet east of Cubicle 007; approximately five feet above floor/Normal office activities	Column K21 area; Cubicle 57; about center; approximately five feet above floor/Normal office activities	Column K21 area; about two feet east of Cubicle 24; approximately five feet above floor/Normal office activities
DATE	03-06-08	03-06-08	03-06-08	03-06-08
START/STOP	10:52:00/10:57:00	11:05:00/11:00	11:15:00/11:20:00	11:21:00/11:26:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	13			
Arthrinium				
Ascospores	427			
Aureobasidium				
Basidiospores	747	53		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	160	53		
Curvularia				
Epicoccum	13			
Nigrospora				
Oidium			13	
Other brown	13			
Other colorless				13
Penicillium/Aspergillus types	533		53	53
Pithomyces				
Rusts	13			13
Smuts (Periconia, Myxomycetes)	13			
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	53	13	<13	<13
Background particulates*	3+	3+	2+	3+
TOTAL**	1,932	106	66	79

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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8TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 6 AND 17, 2008

Page 2

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

SAMPLE NUMBER	20803001-TM05ME	20803001-TM06ME	20803001-TM07ME	20803001-TM08ME
SAMPLING LOCATION/ACTIVITIES	Column K19 area; Cubicle 35; about center; approximately five feet above floor/Normal office activities	Column K19 area; Cubicle 71; about center; approximately five feet above floor/Normal office activities	Column K18 area; about 10 feet west of Cubicle 81; approximately five feet above floor/Normal office activities	Column L18 area; Cubicle 94.01; about center; approximately five feet above floor/Normal office activities
DATE	03-06-08	03-06-08	03-06-08	03-06-08
START/STOP	11:27:00/11:32:00	11:36:00/11:41:00	11:42:00/11:47:00	11:51:00/11:56:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	13			
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores	53		53	
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53			53
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types	53	53	53	
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				13
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background particulates*	3+	3+	3+	2+
TOTAL**	172	53	106	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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8TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 6 AND 17, 2008**

Page 3

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

SAMPLE NUMBER	20803001-TM09ME	20803001-TM10ME	20803001-TM11ME	20803001-TM12ME
SAMPLING LOCATION/ACTIVITIES	Column M18 area; about two feet west of Cubicle 97.01; approximately five feet above floor/Normal office activities	Column N18 area; about 10 feet west of Cubicle 90; approximately five feet above floor/Normal office activities	Column N19 area; Cubicle 143; about center; approximately five feet above floor/Normal office activities	Hallway; adjacent to Column N20; approximately five feet above floor/Normal office activities
DATE	03-06-08	03-06-08	03-06-08	03-06-08
START/STOP	11:57:00/12:02:00	12:06:00/12:11:00	12:15:00/12:20:00	13:15:00/13:20:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53		53	
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types	107	53	53	53
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	13	<13	<13	<13
Background particulates*	3+	2+	2+	2+
TOTAL**	160	53	106	53

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

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TABLE 20802001-108
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8TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 6 AND 17, 2008

Page 4

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

SAMPLE NUMBER	20803001-TM13ME	20803001-TM14ME	20803001-TM15ME	20803001-TM16ME
SAMPLING LOCATION/ACTIVITIES	Column N21 area; about two feet north of Cubicle 136; approximately five feet above floor/Normal office activities	Column N22 area; about five feet east of Cubicle 153; approximately five feet above floor/Normal office activities	Column N22 area; Cubicle 170; about center; approximately five feet above floor/Normal office activities	Column L22 area; Cubicle 05; about center; approximately five feet above floor/Normal office activities
DATE	03-06-08	03-06-08	03-06-08	03-06-08
START/STOP	13:25:00/13:30:00	13:31:00/13:36:00	13:40:00/13:45:00	13:46:00/13:51:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Aureobasidium				
Basidiospores		53		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53		53	53
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types	53	53		53
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)		13		13
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	40	<13	<13
Background particulates*	3+	3+	3+	2+
TOTAL**	106	119	53	119

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 20802001-108
AIRBORNE TOTAL FUNGI RESULTS
8TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 6 AND 17, 2008

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

SAMPLE NUMBER	20803001-TM17ME	20803001-TM34OUTME	20803001-TM01CCJL	20803001-TM02CCJL
SAMPLING LOCATION/ACTIVITIES	Column L22 area; about three feet east of Cubicle 008; approximately five feet above floor/Normal office activities	Outdoors; about 30 feet east of building; approximately five feet above ground/Normal outdoor activities	Column K22 area; Cubicle 52; within ceiling plenum/ Sampling activities only	Column K20 area; Cubicle 45; within ceiling plenum/ Sampling activities only
DATE	03-06-08	03-06-08	03-17-08	03-17-08
START/STOP	13:52:00/13:57:00	17:00:00/17:05:00	10:38:00/10:43:00	10:45:00/10:50:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores		427		
Aureobasidium				
Basidiospores		1,440	53	13
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		907	107	160
Curvularia				
Epicoccum		13		
Myrothecium				
Nigrospora				
Oidium		13		
Other brown		27		13
Penicillium/Aspergillus types	53	693		
Pithomyces				
Rusts		27		
Smuts (Periconia, Myxomycetes)		67	13	
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	80	<13	<13
Background particulates*	2+	3+	3+	3+
TOTAL**	53	3,614	173	186

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 20802001-108
AIRBORNE TOTAL FUNGI RESULTS
8TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 6 AND 17, 2008

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

SAMPLE NUMBER	20803001-TM03CCJL	20803001-TM04CCJL	20803001-TM05CCJL	20803001-TM06CCJL
SAMPLING LOCATION/ACTIVITIES	Column K18 area; Cubicle 37; within ceiling plenum/ Sampling activities only	Column L18 area; Cubicle 86; within ceiling plenum/ Sampling activities only	Column N18 area; Cubicle 106; within ceiling plenum/ Sampling activities only	Column N20 area; Cubicle 144; within ceiling plenum/ Sampling activities only
DATE	03-17-08	03-17-08	03-17-08	03-17-08
START/STOP	10:52:00/10:57:00	10:58:00/11:03:00	11:05:00/11:10:00	11:12:00/11:17:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrimum				
Ascospores				
Aureobasidium				
Basidiospores	53	53		13
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		320	53	53
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types		53	53	
Pithomyces				
Rusts	13			
Smuts (Periconia, Myxomycetes)	13	/		13
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background particulates*	2+	3+	2+	3+
TOTAL**	79	426	106	79

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.

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

TABLE 20802001-108
AIRBORNE TOTAL FUNGI RESULTS
8TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 6 AND 17, 2008

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

SAMPLE NUMBER	20803001-TM07CCJL	20803001-TM08CCJL		
SAMPLING LOCATION/ACTIVITIES	Column N22 area; Cubicle 156; within ceiling plenum/ Sampling activities only	Column L22 area; Cubicle 10; within ceiling plenum/ Sampling activities only	This column intentionally left blank	This column intentionally left blank
DATE	03-17-08	03-17-08		
START/STOP	11:19:00/11:24:00	11:26:00/11:31:00		
SAMPLE TIME	5 minutes	5 minutes		
Alternaria				
Arthrimum				
Ascospores				
Aureobasidium				
Basidiospores				
Bipolaris/Drechslera group	13			
Botrytis				
Chaetomium				
Cladosporium		293		
Curvularia				
Epicoccum				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)		27		
Stachybotrys				
Torula				
Ulocladium				
Hyphal fragments	<13	<13		
Background particulates*	4+	3+		
TOTAL**	13	320		

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

TABLE 20801001-109
AIRBORNE VIABLE FUNGI RESULTS
8TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 6, 2008

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

SAMPLE NUMBER	20803001-VM01OUTME	20803001-VM02ME	20803001-VM03ME	20803001-VM04ME
SAMPLING LOCATION/ACTIVITIES	Outdoor; about 25 feet east of building; approximately five feet above ground/Normal outdoor activities	Column K22 area; about 10 feet east of Cubicle 007; approximately five feet above floor/Normal office activities	Column K19 area; Cubicle 35; about center; approximately five feet above floor/Normal office activities	Column K18 area; about 10 feet west of Cubicle 81; approximately five feet above floor/Normal office activities
START/STOP	10:58:00/11:00:00	11:11:00/11:13:00	11:33:00/11:35:00	11:48:00/11:50:00
SAMPLE TIME	2 minutes	2 minutes	2 minutes	2 minutes
Acremonium				
Alternaria				
Aspergillus fumigatus				18
Aspergillus niger	18			
Aspergillus other				
Aspergillus versicolor				
Aureobasidium				
Beauveria				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	371		18	18
Curvularia				
Epicoccum				
Nigrospora				
Memnoniella				
Myrothecium				
Non-sporulating fungi				18
Others				
Paecilomyces				
Penicillium	35	141	18	
Rhizopus	18			
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts				
TOTAL	442	141	36	54

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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

TABLE 20801001-109
AIRBORNE VIABLE FUNGI RESULTS
8TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 6, 2008

Page 2

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

SAMPLE NUMBER	20803001-VM05ME	20803001-VM06ME	20803001-VM07ME	20803001-VM08ME
SAMPLING LOCATION/ACTIVITIES	Column M18 area; about two feet west of Cubicle 97.01; approximately five feet above floor/Normal office activities	Column N18 area; about 10 feet west of Cubicle 90; approximately five feet above floor/Normal office activities	Hallway; adjacent to Column N20; approximately five feet above floor/Normal office activities	Column N22 area; about five feet east of Cubicle 153; approximately five feet above floor/Normal office activities
START/STOP	12:03:00/12:05:00	12:12:00/12:14:00	13:21:00/13:23:00	13:37:00/13:39:00
SAMPLE TIME	2 minutes	2 minutes	2 minutes	2 minutes
Acremonium				
Alternaria				
Aspergillus fumigatus		18		
Aspergillus niger			18	
Aspergillus other				
Aspergillus versicolor	18			
Aureobasidium				
Beauveria				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		18		
Curvularia				
Epicoccum				
Nigrospora				
Memnoniella				
Myrothecium				
Non-sporulating fungi				
Others				
Paecilomyces				
Penicillium	53			
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts				
TOTAL	71	36	18	<18

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20801001-109
AIRBORNE VIABLE FUNGI RESULTS
8TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 6, 2008

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

SAMPLE NUMBER	20803001-VM09ME	20803001-VM18OUTME		
SAMPLING LOCATION/ACTIVITIES	Column L22 area; about three feet east of Cubicle 008; approximately five feet above floor/Normal office activities	Outdoor; about 25 feet east of building; approximately five feet above ground/Normal outdoor activities	This column intentionally left blank	This column intentionally left blank
START/STOP	13:58:00/14:00:00	17:06:00/17:08:00		
SAMPLE TIME	2 minutes	2 minutes		
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus niger		35		
Aspergillus other				
Aspergillus versicolor				
Aureobasidium				
Beauveria				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		283		
Curvularia				
Epicoccum		18		
Nigrospora				
Memnoniella				
Mucor		18		
Non-sporulating fungi		35		
Others				
Paecilomyces				
Penicillium	18	53		
Phoma/coelomycetes				
Sporobolomyces				
Stachybotrys				
Torula herbarum				
Trichoderma				
Ulocladium				
Yeasts				
TOTAL	18	442		

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



**TABLE 20802001-110
SURFACE FUNGAL GROWTH POTENTIALS
8TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 13 AND 17, 2008**

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

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DATE	SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
03-13-08	20803001-TL01ME	Column K22 area; Cubicle 80; northern cubicle partition; about center; from top horizontal surface	Scant	Very few	None	None	Background
03-13-08	20803001-TL02ME	Column K21 area; Cubicle 78; northern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-13-08	20803001-TL03ME	Column K20 area; Cubicle 75; northern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-13-08	20803301-TL04ME	Column K20; Cubicle 31; eastern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-13-08	20803001-TL05ME	Column K19 area; Cubicle 43; northern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-13-08	20803001-TL06ME	Column K19 area; Cubicle 41; northern cubicle partition; from top horizontal surface	Light	Very few	None	None	Background
03-13-08	20803001-TL07ME	Column K18 area; Cubicle 37; eastern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-13-08	20803001-TL08ME	Column L18 area; Cubicle 83 western cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-13-08	20803001-TL09ME	Column M18 area; Cubicle 88; western cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-13-08	20803001-TL10ME	Column M18 area; Cubicle 102; southern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-13-08	20803001-TL11ME	Column N18 area; Cubicle 109; northern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-13-08	20803001-TL12ME	Column N18 area; Cubicle 118; southern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-13-08	20803001-TL13ME	Column N19 area; Cubicle 170; southern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-13-08	20803001-TL14ME	Column N20 area; Cubicle 143; southern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-13-08	20803001-TL15ME	Column N21; Cubicle 147; southern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-13-08	20803001-TL16ME	Column N22 area; Cubicle 152; northern cubicle partition; about center; from top 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.

APPENDIX A



**TABLE 20802001-110
SURFACE FUNGAL GROWTH POTENTIALS
8TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 13 AND 17, 2008**

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

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DATE	SAMPLE NUMBER	SAMPLING LOCATION	AMORPHOUS DEBRIS	MISCELLANEOUS FUNGI/POLLEN*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
03-13-08	20803001-TL17ME	Column M22 area; Cubicle 176; eastern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-13-08	20803001-TL18ME	Column L22 area; Cubicle 10; southern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-13-08	20803001-TL19ME	Column M22 area; Cubicle 001; eastern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-13-08	20803001-TL20ME	Column K22; Cubicle 007; eastern cubicle partition; about center; from top horizontal surface	Light	Very few	None	None	Background
03-17-08	20803001-S01JL	Column K22 area; Cubicle 52; ceiling; from reverse side of HVAC supply air register	Heavy	Very few	None	None	Background
03-17-08	20803001-S02JL	Column K20 area; Cubicle 45; ceiling; from reverse side of HVAC supply air register	Heavy	Very few	None	None	Background
03-17-08	20803001-S03JL	Column K18 area; Cubicle 37; ceiling; from reverse side of HVAC supply air register	Moderate	Very few	None	None	Background
03-17-08	20803001-S04JL	Column L18 area; Cubicle 86; ceiling; from reverse side of HVAC supply air register	Moderate	Very few	None	None	Background
03-17-08	20803001-S05JL	Column N18 area; Cubicle 106; ceiling; from reverse side of HVAC supply air register	Heavy	None	None	Heavy amounts of bacteria-like organisms detected	Possible bacterial growth
03-17-08	20803001-S06JL	Column N20 area; Cubicle 144; ceiling; from reverse side of HVAC supply air register	Heavy	Very few	None	None	Background
03-17-08	20803001-S07JL	Column N22 area; Cubicle 156; ceiling; from reverse side of HVAC supply air register	Light	Very few	None	None	Background
03-17-08	20803001-S08JL	Column L22 area; Cubicle 10; ceiling; from reverse side of HVAC supply air register	Heavy	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.

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

APPENDIX A



TABLE 20802001-111
AIRBORNE FIBERS RESULTS
8TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 13, 2008

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (f/cc)	PEL (f/cc)
Area Sample	Column K22; about eight feet west of Cubicle 54; approximately six feet above floor/Normal office activities	N/A	20803001- F22ME	7:52/ 16:56	484 minutes	Fibers	0.006	0.1
Area Sample	Column K20 area; about three feet west of Cubicle 33; approximately six feet above floor/Normal office activities	N/A	20803001- F23ME	7:56/ 16:00	484 minutes	Fibers	0.005	0.1
Area Sample	Column K18 area; about five feet west of Cubicle 81; approximately six feet above floor/Normal office activities	N/A	20803001- F24ME	7:59/ 16:02	483 minutes	Fibers	<0.004	0.1
Area Sample	Column K18 area; about eight feet south of Cubicle 118; approximately six feet above floor/Normal office activities	N/A	20803001- F25ME	8:02/ 16:04	482 minutes	Fibers	0.008	0.1
Area Sample	Column N20 area; about two feet south of Cubicle 143; approximately six feet above floor/Normal office activities	N/A	20803001- F26ME	8:08/ 16:08	480 minutes	Fibers	0.008	0.1
Area Sample	Column N22 area; about eight feet south of Cubicle 128; approximately six feet above floor/Normal office activities	N/A	20803001- F27ME	8:11/ 16:11	480 minutes	Fibers	0.012	0.1
Area Sample	Column M22 area; about center; Cubicle 001; approximately six feet above floor/Normal office activities	N/A	20803001- F28ME	8:15/ 16:15	480 minutes	Fibers	0.006	0.1
Blank	N/A	N/A	20803001- F47BLKME	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
450 N Street
Sacramento, California 94279

APPENDIX A



TABLE 20802001-112
AIRBORNE TOTAL DUST RESULTS
8TH FLOOR
SACRAMENTO, CALIFORNIA
FEBRUARY 28, 2008

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	STAR T/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/m ³)	PEL (mg/m ³)
Area Sample	Column K22 area; six feet east of Cubicle 007; approximately six feet above floor/Normal office activities	N/A	20802001-TD31ME	8:25 15:43	438 minutes	Total dust	<0.11	10
Area Sample	Column K21 area; about two feet north of Cubicle 78; approximately six feet above floor/Normal office activities	N/A	20802001-TD32ME	8:33 15:46	433 minutes	Total dust	<0.12	10
Area Sample	Column K19 area; about two feet north of Cubicle 43; approximately six feet above floor/Normal office activities	N/A	20802001-TD33ME	8:39 15:35	416 minutes	Total dust	<0.12	10
Area Sample	Column K18 area; about two feet west of Cubicle 81; approximately six feet above floor/Normal office activities	N/A	20802001-TD34ME	8:43 15:52	429 minutes	Total dust	<0.12	10
Area Sample	Column M18 area; about three feet west of Cubicle 88; approximately six feet above floor/Normal office activities	N/A	20802001-TD35ME	8:50 15:55	425 minutes	Total dust	<0.12	10
Area Sample	Column M18 area; about five feet south of Cubicle 118; approximately six feet above floor/Normal office activities	N/A	20802001-TD36ME	8:54 15:57	423 minutes	Total dust	<0.12	10
Area Sample	Column N20 area; about two feet south of Cubicle 143; approximately six feet above floor/Normal office activities	N/A	20802001-TD37ME	9:00 16:00	420 minutes	Total dust	<0.12	10
Area Sample	Column N21 area; two feet south of Cubicle 129; approximately six feet above floor/Normal office activities	N/A	20802001-TD38ME	9:05 16:11	426 minutes	Total dust	<0.12	10
Area Sample	Column N22 area; about two feet south of Cubicle 150; approximately six feet above floor/Normal office activities	N/A	20802001-TD39ME	9:09 16:03	414 minutes	Total dust	<0.12	10
Area Sample	Column L22 area; southwestern corner of Cubicle 179; approximately six feet above floor/Normal office activities	N/A	20802001-TD40ME	9:13/ 16:08	415 minutes	Total dust	<0.12	10
Blank	N/A	N/A	20802001-TD103BLANK ME	N/A	N/A	Total dust	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
mg/M³: Milligrams per cubic meter

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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

APPENDIX A



TABLE 20802001-113
MICROBIAL VOLATILE ORGANIC COMPOUNDS
8TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 26, 2008

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NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/m ³)	PEL (mg/m ³)
Area Sample	About eight feet south of Column K20; approximately five feet above floor/Normal office activities	N/A	20803001- M21JL	13:59/ 15:30	91 minutes	3-Methylfuran	nd	N/A
						2-Methyl-1-propanol	nd	N/A
						1-Butanol (309)	309 x10 ⁻⁶	300
						3-Methyl-2-butanol	nd	N/A
						2-Pentanol	nd	N/A
						3-Methyl-2-butanol	nd	N/A
						Methyl disulfide	nd	N/A
						Ethyl isobutyrate	nd	N/A
						2-Hexanone	109 x10 ⁻⁶	410
						2-Heptanone	50 x10 ⁻⁶	468
						5-Methyl-3-heptanone	nd	N/A
						1-Octen-3-ol	nd	N/A
						3-Octanone	nd	N/A
						3-Octanol	nd	N/A
						2-Pentylfuran	nd	N/A
						2-Octen-1-ol	nd	N/A
						2-Methoxy-2-1(methylethyl) pyrazine	nd	N/A
						2-Nonanone	nd	N/A
						Fenchone	nd	N/A
						2-Methyl-isoborneol	nd	N/A
a-Terpineol	nd	N/A						
Borneol	nd	N/A						
Geosmin	nd	N/A						
Thujopsene	nd	N/A						

LEGEND

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

<: Less than
mg/M³: Milligrams per cubic meter
nd: Not detected

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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

APPENDIX A



TABLE 20802001-113
MICROBIAL VOLATILE ORGANIC COMPOUNDS
8TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 26, 2008

Page 2

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/m ³)	PEL (mg/m ³)
Area Sample	Column L18 area; Cubicle 99; about center; approximately five feet above floor/Normal office activities	N/A	20803001- M22JL	14:03/ 15:34	91 minutes	3-Methylfuran	nd	N/A
						2-Methyl-1-propanol	nd	N/A
						1-Butanol	576 x10 ⁻⁶	300
						3-Methyl-2-butanol	nd	N/A
						2-Pentanol	nd	N/A
						3-Methyl-2-butanol	nd	N/A
						Methyl disulfide	nd	N/A
						Ethyl isobutyrate	nd	N/A
						2-Hexanone	116 x10 ⁻⁶	410
						2-Heptanone	120 x10 ⁻⁶	468
						5-Methyl-3-heptanone	nd	N/A
						1-Octen-3-ol	nd	N/A
						3-Octanone	nd	N/A
						3-Octanol	nd	N/A
						2-Pentylfuran	nd	N/A
						2-Octen-1-ol	nd	N/A
						2-Methoxy-2-1(methylethyl) pyrazine	nd	N/A
						2-Nonanone	nd	N/A
						Fenchone	nd	N/A
						2-Methyl-isoborneol	nd	N/A
a-Terpineol	nd	N/A						
Borneol	nd	N/A						
Geosmin	nd	N/A						
Thujopsene	nd	N/A						

LEGEND

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

<: Less than
mg/M³: Milligrams per cubic meter
nd: Not detected

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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

APPENDIX A



TABLE 20802001-113
MICROBIAL VOLATILE ORGANIC COMPOUNDS
8TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 26, 2008

Page 3

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/m ³)	PEL (mg/m ³)
Area Sample	Column N20 area; Cubicle 144; about center; approximately five feet above floor/Normal office activities	N/A	20803001- M23JL	14:05/ 15:36	91 minutes	3-Methylfuran	nd	N/A
						2-Methyl-1-propanol	nd	N/A
						1-Butanol	710 x10 ⁻⁶	300
						3-Methyl-2-butanol	nd	N/A
						2-Pentanol	nd	N/A
						3-Methyl-2-butanol	nd	N/A
						Methyl disulfide	nd	N/A
						Ethyl isobutyrate	nd	N/A
						2-Hexanone	115 x10 ⁻⁶	410
						2-Heptanone	166 x10 ⁻⁶	468
						5-Methyl-3-heptanone	nd	N/A
						1-Octen-3-ol	nd	N/A
						3-Octanone	nd	N/A
						3-Octanol	nd	N/A
						2-Pentylfuran	nd	N/A
						2-Octen-1-ol	nd	N/A
						2-Methoxy-2-1(methylethyl) pyrazine	nd	N/A
						2-Nonanone	nd	N/A
						Fenchone	nd	N/A
						2-Methyl-isoborneol	nd	N/A
a-Terpineol	nd	N/A						
Borneol	nd	N/A						
Geosmin	nd	N/A						
Thujopsene	Nd	N/A						

LEGEND

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

<: Less than
mg/M³: Milligrams per cubic meter
nd: Not detected

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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

APPENDIX A



TABLE 20802001-113
MICROBIAL VOLATILE ORGANIC COMPOUNDS
8TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 26, 2008

Page 4

NAME/ REFERENCE	LOCATION/ ACTIVITIES	PPE USED	SAMPLE NUMBER	START/ STOP	SAMPLE TIME	CONTAMINANT	RESULTS (mg/m ³)	PEL (mg/m ³)
Area Sample	Column M22 area; about one foot west of Cubicle 179; approximately five feet above floor/Normal office activities	N/A	20803001- M24JL	14:10/ 15:41	91 minutes	3-Methylfuran	nd	N/A
						2-Methyl-1-propanol	nd	N/A
						1-Butanol	510 x10 ⁻⁶	300
						3-Methyl-2-butanol	nd	N/A
						2-Pentanol	nd	N/A
						3-Methyl-2-butanol	nd	N/A
						Methyl disulfide	nd	N/A
						Ethyl isobutyrate	nd	N/A
						2-Hexanone	58 x10 ⁻⁶	410
						2-Heptanone	77 x10 ⁻⁶	468
						5-Methyl-3-heptanone	nd	N/A
						1-Octen-3-ol	nd	N/A
						3-Octanone	nd	N/A
						3-Octanol	nd	N/A
						2-Pentylfuran	nd	N/A
						2-Octen-1-ol	nd	N/A
						2-Methoxy-2-1(methylethyl) pyrazine	nd	N/A
						2-Nonanone	nd	N/A
						Fenchone	nd	N/A
						2-Methyl-isoborneol	nd	N/A
a-Terpineol	nd	N/A						
Borneol	nd	N/A						
Geosmin	nd	N/A						
Thujopsene	nd	N/A						

LEGEND

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

<: Less than
mg/M³: Milligrams per cubic meter
nd: Not detected

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20802001-114
DIRECT-READING RESULTS
8TH FLOOR
SACRAMENTO, CALIFORNIA
MARCH 17, 2008

LOCATION/SITE ACTIVITIES	SAMPLE TIME	CONTAMINANT	RESULTS (ppm)	COMMENTS
Column K22 area; about three feet east of Cubicle 007; approximately five feet above floor/Normal office activities	11:43/11:46	Volatile Organic Compounds Ozone	ND < 0.1 ND < 0.05	N/A
Column N22 area; about three feet west of Cubicle 132; about five feet above floor/Normal office activities	11:50/11:53	Volatile Organic Compounds Ozone	ND < 0.1 ND < 0.05	N/A
Column N18 area; about three feet west of Cubicle 90; approximately five feet above floor/Normal office activities	11:55/11:58	Volatile Organic Compounds Ozone	ND < 0.1 ND < 0.05	N/A
Column K18; about three feet west of cubicle 69; approximately five feet above floor/Normal office activities	12:00/12:03	Volatile Organic Compounds Ozone	ND < 0.1 ND < 0.05	N/A

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: 20803001
 EML ID: 396775

Approved by:

Lab Manager
Dr. Kamashwaran Ramanathan

Dates of Analysis:
Spore trap analysis: 03-10-2008

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: 20803001

Date of Sampling: 03-07-2008
Date of Receipt: 03-07-2008
Date of Report: 03-10-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM01OUTME		20803001-TM02ME		20803001-TM03ME		20803001-TM04ME	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1743091-1		1743092-1		1743093-1		1743094-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13						
Arthrinium								
Ascospores*	8	427						
Aureobasidium								
Basidiospores*	14	747	1	53				
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	3	160	1	53				
Curvularia								
Epicoccum	1	13						
Fusarium								
Myrothecium								
Nigrospora								
Oidium					1	13		
Other brown	1	13						
Other colorless							1	13
Penicillium/Aspergillus types†	10	533			1	53	1	53
Pithomyces								
Rusts*	1	13					1	13
Smuts*, Periconia, Myxomycetes*	1	13						
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	3+		3+		2+		3+	
Hyphal fragments/m3	53		13		< 13		< 13	
Pollen/m3	267		13		< 13		13	
Skin cells (1-4+)	1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		1,932		106		66		79

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: 20803001

Date of Sampling: 03-07-2008
Date of Receipt: 03-07-2008
Date of Report: 03-10-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM05ME		20803001-TM06ME		20803001-TM07ME		20803001-TM08ME	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1743095-1		1743096-1		1743097-1		1743098-1	
	raw ct.	spores/m3						
Alternaria	1	13						
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*	1	53			1	53		
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	1	53					1	53
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	1	53	1	53	1	53		
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*							1	13
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	3+		3+		3+		2+	
Hyphal fragments/m3	< 13		< 13		< 13		< 13	
Pollen/m3	13		< 13		< 13		< 13	
Skin cells (1-4+)	2+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		172		53		106		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.

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 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM09ME		20803001-TM10ME		20803001-TM11ME		20803001-TM12ME	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1743099-1		1743100-1		1743101-1		1743102-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	1	53			1	53		
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	2	107	1	53	1	53	1	53
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*								
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	3+		2+		2+		2+	
Hyphal fragments/m3	13		< 13		< 13		< 13	
Pollen/m3	13		< 13		< 13		13	
Skin cells (1-4+)	2+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		160		53		106		53

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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Northern California
C/O: Mr. Wes Frey
Re: 20803001

Date of Sampling: 03-07-2008
Date of Receipt: 03-07-2008
Date of Report: 03-10-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM13ME		20803001-TM14ME		20803001-TM15ME		20803001-TM16ME	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1743103-1		1743104-1		1743105-1		1743106-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*			1	53				
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	1	53			1	53	1	53
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	1	53	1	53			1	53
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*			1	13			1	13
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	3+		3+		3+		2+	
Hyphal fragments/m3	< 13		40		< 13		< 13	
Pollen/m3	< 13		13		< 13		13	
Skin cells (1-4+)	1+		1+		3+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		106		119		53		119

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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Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM17ME		20803001-TM18ME		20803001-TM19ME		20803001-TM20ME	
Comments (see below)	None		A		None		None	
Lab ID-Version‡:	1743107-1		1743108-1		1743109-1		1743110-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*							1	53
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium								
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	1	53	43	1,210	3	160	1	53
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*					1	13	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		< 13	
Skin cells (1-4+)	1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		53		1,210		173		119

Comments: A) 27 of the raw count *Penicillium/Aspergillus* type spores were present as a clump of 11 and a clump of 16 spores.

* 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.

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Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM21ME		20803001-TM22ME		20803001-TM23ME		20803001-TM24ME	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1743111-1		1743112-1		1743113-1		1743114-1	
	raw ct.	spores/m3						
Alternaria	1	13						
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*	1	53						
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	1	53						
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium								
Other brown							1	13
Other colorless								
Penicillium/Aspergillus types†	1	53	1	53			1	53
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*							1	13
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	3+		3+		2+		3+	
Hyphal fragments/m3	< 13		< 13		< 13		< 13	
Pollen/m3	13		< 13		< 13		13	
Skin cells (1-4+)	1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		172		53		< 13		79

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

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM25ME		20803001-TM26ME		20803001-TM27ME		20803001-TM28ME	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1743115-1		1743116-1		1743117-1		1743118-1	
	raw ct.	spores/m3						
Alternaria			2	27				
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	4	213	1	53				
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	1	53	1	53	2	107	2	107
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*	4	53						
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	3+		3+		3+		3+	
Hyphal fragments/m3	13		13		< 13		13	
Pollen/m3	< 13		< 13		< 13		13	
Skin cells (1-4+)	1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		319		133		107		107

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: 20803001

Date of Sampling: 03-07-2008
Date of Receipt: 03-07-2008
Date of Report: 03-10-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM29ME		20803001-TM30ME		20803001-TM31ME		20803001-TM32ME	
Comments (see below)	None		None		B		None	
Lab ID-Version‡:	1743119-1		1743120-1		1743121-1		1743122-1	
	raw ct.	spores/m3						
Alternaria								
Arthrinium								
Ascospores*	1	13						
Aureobasidium								
Basidiospores*					1	53		
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium					21	280		
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	2	107			1	53		
Pithomyces								
Rusts*	1	13						
Smuts*, Periconia, Myxomycetes*			1	13				
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	3+		3+		3+		2+	
Hyphal fragments/m3	< 13		< 13		13		< 13	
Pollen/m3	< 13		< 13		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		133		13		386		< 13

Comments: B) The 21 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.

†† 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.

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Date of Sampling: 03-07-2008
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 Date of Report: 03-10-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM33ME		20803001-TM34OUTME	
Comments (see below)	None		None	
Lab ID-Version‡:	1743123-1		1743124-1	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria				
Arthrinium				
Ascospores*			8	427
Aureobasidium				
Basidiospores*	1	53	27	1,440
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			17	907
Curvularia				
Epicoccum			1	13
Fusarium				
Myrothecium				
Nigrospora				
Oidium			1	13
Other brown			2	27
Other colorless				
Penicillium/Aspergillus types†	1	53	13	693
Pithomyces				
Rusts*			2	27
Smuts*, Periconia, Myxomycetes*	1	13	5	67
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	3+		3+	
Hyphal fragments/m3	< 13		80	
Pollen/m3	13		387	
Skin cells (1-4+)	1+		1+	
Sample volume (liters)	75		75	
TOTAL SPORE/m3		119		3,614

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 sample 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.:
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Re: 20803001

Date of Sampling: 03-07-2008
Date of Receipt: 03-07-2008
Date of Report: 03-10-2008

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 20803001-TM01OUTME

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: March				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	13	7	27	210	43	7	27	230	60
Bipolaris/Drechslera group	-	7	13	120	12	7	13	120	14
Chaetomium	-	7	13	120	8	7	13	110	19
Cladosporium	160	40	350	4,400	91	53	640	6,500	98
Curvularia	-	7	13	210	6	7	13	210	7
Epicoccum	13	7	13	210	16	7	13	160	21
Nigrospora	-	7	13	110	7	7	13	170	8
Other brown	13	7	13	80	34	7	13	80	37
Penicillium/Aspergillus types	533	27	160	1,700	83	40	210	2,500	89
Stachybotrys	-	7	13	360	3	7	13	330	5
Torula	-	7	13	170	8	7	13	150	13
Seldom found growing indoors**									
Ascospores	427	13	150	2,100	75	13	110	1,800	73
Basidiospores	747	13	360	6,000	91	13	270	6,900	95
Oidium	-	7	13	330	14	7	13	200	20
Rusts	13	7	13	320	17	7	13	270	29
Smuts, Periconia, Myxomycetes	13	7	27	310	54	8	40	480	71
TOTAL SPORES/M3	1,932								

† 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.

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Date of Sampling: 03-07-2008
Date of Receipt: 03-07-2008
Date of Report: 03-10-2008

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 20803001-TM34OUTME

Fungi Identified	Outdoor data	Typical Outdoor Data by Date†				Typical Outdoor Data by Location‡			
		Month: March				State: CA			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	27	210	43	7	27	230	60
Bipolaris/Drechslera group	-	7	13	120	12	7	13	120	14
Chaetomium	-	7	13	120	8	7	13	110	19
Cladosporium	907	40	350	4,400	91	53	640	6,500	98
Curvularia	-	7	13	210	6	7	13	210	7
Epicoccum	13	7	13	210	16	7	13	160	21
Nigrospora	-	7	13	110	7	7	13	170	8
Other brown	27	7	13	80	34	7	13	80	37
Penicillium/Aspergillus types	693	27	160	1,700	83	40	210	2,500	89
Stachybotrys	-	7	13	360	3	7	13	330	5
Torula	-	7	13	170	8	7	13	150	13
Seldom found growing indoors**									
Ascospores	427	13	150	2,100	75	13	110	1,800	73
Basidiospores	1,440	13	360	6,000	91	13	270	6,900	95
Oidium	13	7	13	330	14	7	13	200	20
Rusts	27	7	13	320	17	7	13	270	29
Smuts, Periconia, Myxomycetes	67	7	27	310	54	8	40	480	71
TOTAL SPORES/M3	3,614								

† 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
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 Re: 20803001

Date of Sampling: 03-07-2008
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 Date of Report: 03-10-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 20803001-TM01OUTME:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Alternaria				13	7 - 27 - 390	55
Ascospores				427	13 - 160 - 4,200	76
Basidiospores				747	13 - 320 - 14,000	92
Cladosporium				160	40 - 530 - 8,500	95
Epicoccum				13	7 - 13 - 320	24
Other brown				13	7 - 13 - 93	35
Penicillium/Aspergillus types				533	27 - 210 - 2,600	85
Rusts				13	7 - 15 - 310	23
Smuts, Periconia, Myxomycetes				13	7 - 40 - 760	70
Total				1,932		

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: 20803001-TM02ME

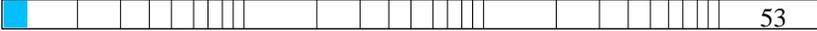
% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 5%	dF: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.3636	dF: 9 Result: 0.6958 Critical value: 0.5833 Outside Similar: Yes	Score: 103 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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 Re: 20803001

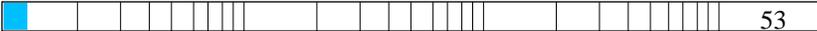
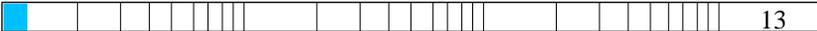
Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM03ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.1818	dF: 10 Result: 0.3030 Critical value: 0.5515 Outside Similar: No	Score: 106 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Oidium					13
Penicillium/Aspergillus types					53
Total					66

Location: 20803001-TM04ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.3333	dF: 10 Result: 0.1606 Critical value: 0.5515 Outside Similar: No	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Other colorless					13
Penicillium/Aspergillus types					53
Rusts					13
Total					79

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM05ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 8%	dF: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.6154	dF: 9 Result: 0.7500 Critical value: 0.5833 Outside Similar: Yes	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Basidiospores					53
Cladosporium					53
Penicillium/Aspergillus types					53
Total					172

Location: 20803001-TM06ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.2000	dF: 9 Result: 0.6583 Critical value: 0.5833 Outside Similar: Yes	Score: 106 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Total					53

Location: 20803001-TM07ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.3636	dF: 9 Result: 0.8458 Critical value: 0.5833 Outside Similar: Yes	Score: 104 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Penicillium/Aspergillus types					53
Total					106

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-07-2008
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 Date of Report: 03-10-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM08ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.3636	dF: 9 Result: 0.2667 Critical value: 0.5833 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Smuts, Periconia, Myxomycetes					13
Total					66

Location: 20803001-TM09ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 8%	dF: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.3636	dF: 9 Result: 0.6333 Critical value: 0.5833 Outside Similar: Yes	Score: 110 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Penicillium/Aspergillus types					107
Total					160

Location: 20803001-TM10ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.2000	dF: 9 Result: 0.6583 Critical value: 0.5833 Outside Similar: Yes	Score: 106 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Total					53

Client: Hygiene Technologies International, Inc.:
 Northern California
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Date of Sampling: 03-07-2008
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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM11ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.3636	dF: 9 Result: 0.6208 Critical value: 0.5833 Outside Similar: Yes	Score: 104 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Penicillium/Aspergillus types					53
Total					106

Location: 20803001-TM12ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.2000	dF: 9 Result: 0.6583 Critical value: 0.5833 Outside Similar: Yes	Score: 106 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Total					53

Location: 20803001-TM13ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.3636	dF: 9 Result: 0.6208 Critical value: 0.5833 Outside Similar: Yes	Score: 104 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Penicillium/Aspergillus types					53
Total					106

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM14ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 6%	dF: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.5000	dF: 9 Result: 0.7000 Critical value: 0.5833 Outside Similar: Yes	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Penicillium/Aspergillus types					53
Smuts, Periconia, Myxomycetes					13
Total					119

Location: 20803001-TM15ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.2000	dF: 9 Result: 0.5083 Critical value: 0.5833 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Total					53

Location: 20803001-TM16ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 6%	dF: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.5000	dF: 9 Result: 0.4500 Critical value: 0.5833 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Penicillium/Aspergillus types					53
Smuts, Periconia, Myxomycetes					13
Total					119

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-07-2008
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 Date of Report: 03-10-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM17ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.2000	dF: 9 Result: 0.6583 Critical value: 0.5833 Outside Similar: Yes	Score: 106 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Total					53

Location: 20803001-TM18ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 62%	dF: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.2000	dF: 9 Result: 0.6583 Critical value: 0.5833 Outside Similar: Yes	Score: 225 Result: Medium	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					1,210
Total					1,210

Location: 20803001-TM19ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 8%	dF: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.3636	dF: 9 Result: 0.4333 Critical value: 0.5833 Outside Similar: No	Score: 118 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					160
Smuts, Periconia, Myxomycetes					13
Total					173

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM20ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 6%	dF: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.5000	dF: 9 Result: 0.7000 Critical value: 0.5833 Outside Similar: Yes	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Penicillium/Aspergillus types					53
Smuts, Periconia, Myxomycetes					13
Total					119

Location: 20803001-TM21ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 8%	dF: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.6154	dF: 9 Result: 0.7500 Critical value: 0.5833 Outside Similar: Yes	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Basidiospores					53
Cladosporium					53
Penicillium/Aspergillus types					53
Total					172

Location: 20803001-TM22ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.2000	dF: 9 Result: 0.6583 Critical value: 0.5833 Outside Similar: Yes	Score: 106 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Total					53

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM23ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected					N/A

Location: 20803001-TM24ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.5000	dF: 9 Result: 0.2417 Critical value: 0.5833 Outside Similar: No	Score: 107 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Other brown					13
Penicillium/Aspergillus types					53
Smuts, Periconia, Myxomycetes					13
Total					79

Location: 20803001-TM25ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 16%	dF: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.5000	dF: 9 Result: 0.3917 Critical value: 0.5833 Outside Similar: No	Score: 112 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					213
Penicillium/Aspergillus types					53
Smuts, Periconia, Myxomycetes					53
Total					319

Client: Hygiene Technologies International, Inc.:
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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM26ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 6%	dF: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.5000	dF: 9 Result: 0.4500 Critical value: 0.5833 Outside Similar: No	Score: 110 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					27
Cladosporium					53
Penicillium/Aspergillus types					53
Total					133

Location: 20803001-TM27ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.2000	dF: 9 Result: 0.6583 Critical value: 0.5833 Outside Similar: Yes	Score: 112 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					107
Total					107

Location: 20803001-TM28ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.2000	dF: 9 Result: 0.6583 Critical value: 0.5833 Outside Similar: Yes	Score: 112 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					107
Total					107

Client: Hygiene Technologies International, Inc.:
 Northern California
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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM29ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 6%	dF: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.5000	dF: 9 Result: 0.5083 Critical value: 0.5833 Outside Similar: No	Score: 111 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Ascospores					13
Penicillium/Aspergillus types					107
Rusts					13
Total					133

Location: 20803001-TM30ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.2000	dF: 9 Result: 0.2833 Critical value: 0.5833 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Smuts, Periconia, Myxomycetes					13
Total					13

Location: 20803001-TM31ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 19%	dF: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.5000	dF: 9 Result: 0.7917 Critical value: 0.5833 Outside Similar: Yes	Score: 116 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Cladosporium					280
Penicillium/Aspergillus types					53
Total					386

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM32ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected					N/A

Location: 20803001-TM33ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 6%	dF: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.5000	dF: 9 Result: 0.7000 Critical value: 0.5833 Outside Similar: Yes	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Penicillium/Aspergillus types					53
Smuts, Periconia, Myxomycetes					13
Total					119

* 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.

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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MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 20803001-TM34OUTME:

Species detected	Outdoor sample spores/m3				Typical outdoor ranges (North America)	Freq. %
	<100	1K	10K	>100K		
Ascospores				427	13 - 160 - 4,200	76
Basidiospores				1,440	13 - 320 - 14,000	92
Cladosporium				907	40 - 530 - 8,500	95
Epicoccum				13	7 - 13 - 320	24
Oidium				13	7 - 13 - 230	15
Other brown				27	7 - 13 - 93	35
Penicillium/Aspergillus types				693	27 - 210 - 2,600	85
Rusts				27	7 - 15 - 310	23
Smuts, Periconia, Myxomycetes				67	7 - 40 - 760	70
Total				3,614		

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: 20803001-TM02ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.3636	dF: 9 Result: 0.7708 Critical value: 0.5833 Outside Similar: Yes	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
	Basidiospores				53
	Cladosporium				53
	Total				106

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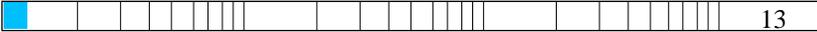
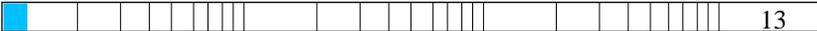
Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

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Location: 20803001-TM03ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.3636	dF: 9 Result: 0.1750 Critical value: 0.5833 Outside Similar: No	Score: 106 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Oidium					13
Penicillium/Aspergillus types					53
Total					66

Location: 20803001-TM04ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.3333	dF: 10 Result: 0.0606 Critical value: 0.5515 Outside Similar: No	Score: 106 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Other colorless					13
Penicillium/Aspergillus types					53
Rusts					13
Total					79

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Location: 20803001-TM05ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.4615	dF: 10 Result: 0.6333 Critical value: 0.5515 Outside Similar: Yes	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Alternaria					13
Basidiospores					53
Cladosporium					53
Penicillium/Aspergillus types					53
Total					172

Location: 20803001-TM06ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.2000	dF: 9 Result: 0.5083 Critical value: 0.5833 Outside Similar: No	Score: 107 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Total					53

Location: 20803001-TM07ME

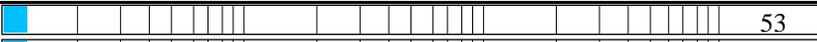
% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 2%	dF: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.3636	dF: 9 Result: 0.6958 Critical value: 0.5833 Outside Similar: Yes	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Penicillium/Aspergillus types					53
Total					106

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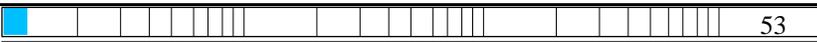
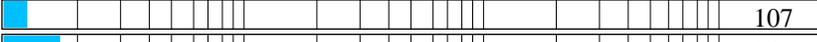
Date of Sampling: 03-07-2008
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 Date of Report: 03-10-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

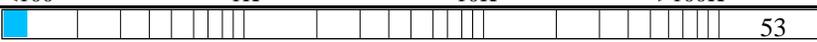
Location: 20803001-TM08ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.3636	dF: 9 Result: 0.4917 Critical value: 0.5833 Outside Similar: No	Score: 102 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Smuts, Periconia, Myxomycetes					13
Total					66

Location: 20803001-TM09ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.3636	dF: 9 Result: 0.6083 Critical value: 0.5833 Outside Similar: Yes	Score: 112 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Penicillium/Aspergillus types					107
Total					160

Location: 20803001-TM10ME

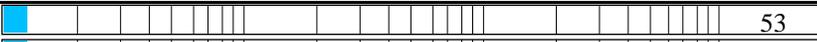
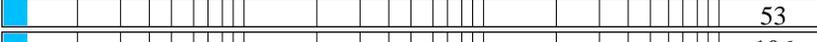
% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 1%	dF: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.2000	dF: 9 Result: 0.5083 Critical value: 0.5833 Outside Similar: No	Score: 107 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Total					53

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 C/O: Mr. Wes Frey
 Re: 20803001

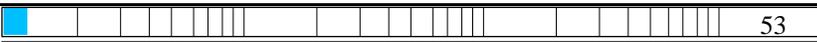
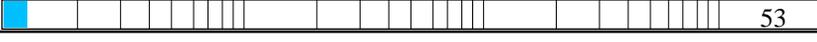
Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
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MoldSTAT™: Supplementary Statistical Spore Trap Report

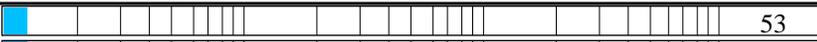
Location: 20803001-TM11ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.3636	dF: 9 Result: 0.6208 Critical value: 0.5833 Outside Similar: Yes	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Penicillium/Aspergillus types					53
Total					106

Location: 20803001-TM12ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.2000	dF: 9 Result: 0.5083 Critical value: 0.5833 Outside Similar: No	Score: 107 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Total					53

Location: 20803001-TM13ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.3636	dF: 9 Result: 0.6208 Critical value: 0.5833 Outside Similar: Yes	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Penicillium/Aspergillus types					53
Total					106

Client: Hygiene Technologies International, Inc.:
 Northern California
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 Re: 20803001

Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM14ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.5000	dF: 9 Result: 0.6583 Critical value: 0.5833 Outside Similar: Yes	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Penicillium/Aspergillus types					53
Smuts, Periconia, Myxomycetes					13
Total					119

Location: 20803001-TM15ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.2000	dF: 9 Result: 0.5833 Critical value: 0.5833 Outside Similar: Yes	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Total					53

Location: 20803001-TM16ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.5000	dF: 9 Result: 0.5750 Critical value: 0.5833 Outside Similar: No	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					53
Penicillium/Aspergillus types					53
Smuts, Periconia, Myxomycetes					13
Total					119

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
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Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM17ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.2000	dF: 9 Result: 0.5083 Critical value: 0.5833 Outside Similar: No	Score: 107 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					53
Total					53

Location: 20803001-TM18ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 33%	dF: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.2000	dF: 9 Result: 0.5083 Critical value: 0.5833 Outside Similar: No	Score: 234 Result: Medium	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					1,210
Total					1,210

Location: 20803001-TM19ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.3636	dF: 9 Result: 0.4083 Critical value: 0.5833 Outside Similar: No	Score: 120 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Penicillium/Aspergillus types					160
Smuts, Periconia, Myxomycetes					13
Total					173

Client: Hygiene Technologies International, Inc.:
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Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM20ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.5000	dF: 9 Result: 0.6583 Critical value: 0.5833 Outside Similar: Yes	Score: 105 Result: Low		
Species Detected		Spores/m3				
		<100	1K	10K	>100K	
Basidiospores		[Bar chart showing distribution]				53
Penicillium/Aspergillus types		[Bar chart showing distribution]				53
Smuts, Periconia, Myxomycetes		[Bar chart showing distribution]				13
Total		[Bar chart showing distribution]				119

Location: 20803001-TM21ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.4615	dF: 10 Result: 0.6333 Critical value: 0.5515 Outside Similar: Yes	Score: 105 Result: Low		
Species Detected		Spores/m3				
		<100	1K	10K	>100K	
Alternaria		[Bar chart showing distribution]				13
Basidiospores		[Bar chart showing distribution]				53
Cladosporium		[Bar chart showing distribution]				53
Penicillium/Aspergillus types		[Bar chart showing distribution]				53
Total		[Bar chart showing distribution]				172

Location: 20803001-TM22ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.2000	dF: 9 Result: 0.5083 Critical value: 0.5833 Outside Similar: No	Score: 107 Result: Low		
Species Detected		Spores/m3				
		<100	1K	10K	>100K	
Penicillium/Aspergillus types		[Bar chart showing distribution]				53
Total		[Bar chart showing distribution]				53

Client: Hygiene Technologies International, Inc.:
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Date of Sampling: 03-07-2008
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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM23ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected					N/A

Location: 20803001-TM24ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.5000	dF: 9 Result: 0.2417 Critical value: 0.5833 Outside Similar: No	Score: 107 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Other brown					13
Penicillium/Aspergillus types					53
Smuts, Periconia, Myxomycetes					13
Total					79

Location: 20803001-TM25ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 8%	dF: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.5000	dF: 9 Result: 0.5667 Critical value: 0.5833 Outside Similar: No	Score: 109 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Cladosporium					213
Penicillium/Aspergillus types					53
Smuts, Periconia, Myxomycetes					53
Total					319

Client: Hygiene Technologies International, Inc.:
 Northern California
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 Date of Report: 03-10-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM29ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.5000	dF: 9 Result: 0.3083 Critical value: 0.5833 Outside Similar: No	Score: 113 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Ascospores					13
Penicillium/Aspergillus types					107
Rusts					13
Total					133

Location: 20803001-TM30ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.2000	dF: 9 Result: 0.3583 Critical value: 0.5833 Outside Similar: No	Score: 103 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Smuts, Periconia, Myxomycetes					13
Total					13

Location: 20803001-TM31ME

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)	
Result: 10%	dF: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.5000	dF: 9 Result: 0.8333 Critical value: 0.5833 Outside Similar: Yes	Score: 112 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Cladosporium					280
Penicillium/Aspergillus types					53
Total					386

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 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 20803001-TM32ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
None Detected					N/A

Location: 20803001-TM33ME

% 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: 31 Result: 10.0000 Critical value: N/A Inside Similar: N/A	Result: 0.5000	dF: 9 Result: 0.6583 Critical value: 0.5833 Outside Similar: Yes	Score: 105 Result: Low	
Species Detected		Spores/m3			
		<100	1K	10K	>100K
Basidiospores					53
Penicillium/Aspergillus types					53
Smuts, Periconia, Myxomycetes					13
Total					119

* 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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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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 Re: 20803001

Date of Sampling: 03-07-2008
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MoldSCORE™: Spore Trap Report

Outdoor Sample: 20803001-TM01OUTME

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	█				3	160
Curvularia					ND	< 13
Epicoccum	█				1	13
Nigrospora					ND	< 13
Other brown	█				1	13
Penicillium/Aspergillus types†	█	█	█		10	533
Stachybotrys					ND	< 13
Torula					ND	< 13
Seldom found growing indoors**						
Ascospores‡‡	█	█	█	█	8	427
Basidiospores‡‡	█	█	█	█	14	747
Rusts	█				1	13
Smuts, Periconia, Myxomycetes‡‡	█				1	13
Total						1,932

Location: 20803001-TM02ME

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

MoldSCORE‡			Score
100	200	300	
█			100
█			100
█			100
█			103
█			100
█			100
█			100
█			100
█			100
█			100
█			100
█			101
█			100
█			100
Final MoldSCORE			103

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM03ME

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					ND	< 13				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†	█				1	53				106
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					ND	< 13				100
Oidium	█				1	13				105
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						66	Final MoldSCORE 106			

Location: 20803001-TM04ME

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					ND	< 13				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Other colorless	█				1	13				105
Penicillium/Aspergillus types†	█				1	53				105
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						79	Final MoldSCORE 105			

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM05ME

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					1	53				
Curvularia					ND	< 13				
Nigrospora					ND	< 13				
Penicillium/Aspergillus types†					1	53				
Stachybotrys					ND	< 13				
Torula					ND	< 13				
Seldom found growing indoors**										
Ascospores††					ND	< 13				
Basidiospores††					1	53				
Rusts					ND	< 13				
Smuts, Periconia, Myxomycetes††					ND	< 13				
Total						172	Final MoldSCORE 105			

Location: 20803001-TM06ME

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

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 Date of Report: 03-10-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM07ME

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					ND	< 13				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†	█				1	53				104
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 104			

Location: 20803001-TM08ME

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					ND	< 13				100
Penicillium/Aspergillus types†					ND	< 13				100
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††	█				1	13				103
Total						66	Final MoldSCORE 103			

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM09ME

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					ND	< 13				100
Penicillium/Aspergillus types†					2	107				110
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						160				Final MoldSCORE 110

Location: 20803001-TM10ME

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

Client: Hygiene Technologies International, Inc.:
 Northern California
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 Re: 20803001

Date of Sampling: 03-07-2008
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MoldSCORE™: Spore Trap Report

Location: 20803001-TM11ME

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					ND	< 13				100
Penicillium/Aspergillus types†					1	53				104
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						106				Final MoldSCORE 104

Location: 20803001-TM12ME

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

Client: Hygiene Technologies International, Inc.:
 Northern California
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Date of Sampling: 03-07-2008
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MoldSCORE™: Spore Trap Report

Location: 20803001-TM13ME

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					ND	< 13	█			100
Penicillium/Aspergillus types†	█				1	53	█			104
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores††					ND	< 13	█			100
Basidiospores††					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes††					ND	< 13	█			100
Total						106				Final MoldSCORE 104

Location: 20803001-TM14ME

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium					ND	< 13	█			100
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†	█				1	53	█			103
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††	█				1	13	█			102
Total						119				Final MoldSCORE 103

Client: Hygiene Technologies International, Inc.:
 Northern California
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 Re: 20803001

Date of Sampling: 03-07-2008
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MoldSCORE™: Spore Trap Report

Location: 20803001-TM15ME

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					ND	< 13	█	█	█	100
Penicillium/Aspergillus types†					ND	< 13	█	█	█	100
Stachybotrys					ND	< 13	█	█	█	100
Torula					ND	< 13	█	█	█	100
Seldom found growing indoors**										
Ascospores††					ND	< 13	█	█	█	100
Basidiospores††					ND	< 13	█	█	█	100
Rusts					ND	< 13	█	█	█	100
Smuts, Periconia, Myxomycetes††					ND	< 13	█	█	█	100
Total						53	Final MoldSCORE 103			

Location: 20803001-TM16ME

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					ND	< 13	█	█	█	100
Penicillium/Aspergillus types†	█				1	53	█	█	█	103
Stachybotrys					ND	< 13	█	█	█	100
Torula					ND	< 13	█	█	█	100
Seldom found growing indoors**										
Ascospores††					ND	< 13	█	█	█	100
Basidiospores††					ND	< 13	█	█	█	100
Rusts					ND	< 13	█	█	█	100
Smuts, Periconia, Myxomycetes††	█				1	13	█	█	█	102
Total						119	Final MoldSCORE 103			

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM17ME

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

Location: 20803001-TM18ME

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†					43	1,210	225			
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						1,210	Final MoldSCORE 225			

Client: Hygiene Technologies International, Inc.:
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MoldSCORE™: Spore Trap Report

Location: 20803001-TM19ME

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†	█				3	160				118
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††	█				1	13				102
Total						173				Final MoldSCORE 118

Location: 20803001-TM20ME

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					ND	< 13				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†	█				1	53				103
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††	█				1	13				102
Total						119				Final MoldSCORE 103

Client: Hygiene Technologies International, Inc.:
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 C/O: Mr. Wes Frey
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MoldSCORE™: Spore Trap Report

Location: 20803001-TM21ME

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					1	53				
Curvularia					ND	< 13				
Nigrospora					ND	< 13				
Penicillium/Aspergillus types†					1	53				
Stachybotrys					ND	< 13				
Torula					ND	< 13				
Seldom found growing indoors**										
Ascospores††					ND	< 13				
Basidiospores††					1	53				
Rusts					ND	< 13				
Smuts, Periconia, Myxomycetes††					ND	< 13				
Total						172	Final MoldSCORE 105			

Location: 20803001-TM22ME

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

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM23ME

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

Location: 20803001-TM24ME

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					ND	< 13				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Other brown					1	13				105
Penicillium/Aspergillus types†					1	53				105
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††					1	13				102
Total						79				Final MoldSCORE 107

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM25ME

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				4	213	█			112
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†	█				1	53	█			100
Stachybotrys					ND	< 13	█			100
Torula					ND	< 13	█			100
Seldom found growing indoors**										
Ascospores††					ND	< 13	█			100
Basidiospores††					ND	< 13	█			100
Rusts					ND	< 13	█			100
Smuts, Periconia, Myxomycetes††	█				4	53	█			110
Total						319	Final MoldSCORE 112			

Location: 20803001-TM26ME

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	█				2	27	█			110
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium	█				1	53	█			103
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†	█				1	53	█			103
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						133	Final MoldSCORE 110			

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM27ME

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†					2	107				112
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						107	Final MoldSCORE 112			

Location: 20803001-TM28ME

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†					2	107				112
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						107	Final MoldSCORE 112			

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM29ME

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†	█				2	107				111
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††	█				1	13				100
Basidiospores††					ND	< 13				100
Rusts	█				1	13				105
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						133				Final MoldSCORE 111

Location: 20803001-TM30ME

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

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM31ME

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	█				21	280	█			116
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†	█				1	53	█			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						386				Final MoldSCORE 116

Location: 20803001-TM32ME

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

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-07-2008
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 Date of Report: 03-10-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM33ME

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	100			
Bipolaris/Drechslera group					ND	< 13	100			
Chaetomium					ND	< 13	100			
Cladosporium					ND	< 13	100			
Curvularia					ND	< 13	100			
Nigrospora					ND	< 13	100			
Penicillium/Aspergillus types†	█				1	53	103			
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††	█				1	13	102			
Total						119	Final MoldSCORE 103			

*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.:
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Date of Sampling: 03-07-2008
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MoldSCORE™: Spore Trap Report

Outdoor Sample: 20803001-TM34OUTME

Fungi Identified	Outdoor 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	█	█	█	█	17	907
Curvularia					ND	< 13
Epicoccum	█				1	13
Nigrospora					ND	< 13
Other brown	█				2	27
Penicillium/Aspergillus types†	█	█	█	█	13	693
Stachybotrys					ND	< 13
Torula					ND	< 13
Seldom found growing indoors**						
Ascospores‡‡	█	█	█	█	8	427
Basidiospores‡‡	█	█	█	█	27	1,440
Oidium	█				1	13
Rusts	█				2	27
Smuts, Periconia, Myxomycetes‡‡	█				5	67
Total						3,614

Location: 20803001-TM02ME

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

MoldSCORE‡			
100	200	300	Score
█	█	█	100
█	█	█	100
█	█	█	100
█	█	█	102
█	█	█	100
█	█	█	100
█	█	█	100
█	█	█	100
█	█	█	100
█	█	█	100
█	█	█	100
█	█	█	100
█	█	█	101
█	█	█	100
█	█	█	100
Final MoldSCORE			102

Client: Hygiene Technologies International, Inc.:
 Northern California
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 Re: 20803001

Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM03ME

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					ND	< 13				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†	█				1	53				106
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					ND	< 13				100
Oidium	█				1	13				105
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						66	Final MoldSCORE 106			

Location: 20803001-TM04ME

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					ND	< 13				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Other colorless	█				1	13				105
Penicillium/Aspergillus types†	█				1	53				106
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						79	Final MoldSCORE 106			

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 Date of Report: 03-10-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM05ME

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					1	53				
Curvularia					ND	< 13				
Nigrospora					ND	< 13				
Penicillium/Aspergillus types†					1	53				
Stachybotrys					ND	< 13				
Torula					ND	< 13				
Seldom found growing indoors**										
Ascospores††					ND	< 13				
Basidiospores††					1	53				
Rusts					ND	< 13				
Smuts, Periconia, Myxomycetes††					ND	< 13				
Total						172	Final MoldSCORE 105			

Location: 20803001-TM06ME

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

Client: Hygiene Technologies International, Inc.:
 Northern California
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MoldSCORE™: Spore Trap Report

Location: 20803001-TM07ME

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					ND	< 13				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†	█				1	53				105
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 105

Location: 20803001-TM08ME

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					ND	< 13				100
Smuts, Periconia, Myxomycetes††	█				1	13				102
Total						66				Final MoldSCORE 102

Client: Hygiene Technologies International, Inc.:
 Northern California
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 Re: 20803001

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 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM09ME

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†					2	107				112
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						160				Final MoldSCORE 112

Location: 20803001-TM10ME

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

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 Northern California
 C/O: Mr. Wes Frey
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Date of Sampling: 03-07-2008
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MoldSCORE™: Spore Trap Report

Location: 20803001-TM11ME

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†	█				1	53	█			105
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						106				Final MoldSCORE 105

Location: 20803001-TM12ME

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

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 Northern California
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MoldSCORE™: Spore Trap Report

Location: 20803001-TM13ME

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†					1	53				105
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						106				Final MoldSCORE 105

Location: 20803001-TM14ME

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					ND	< 13				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†					1	53				105
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††					1	13				102
Total						119				Final MoldSCORE 105

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MoldSCORE™: Spore Trap Report

Location: 20803001-TM15ME

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					ND	< 13	█	█	█	100
Penicillium/Aspergillus types†					ND	< 13	█	█	█	100
Stachybotrys					ND	< 13	█	█	█	100
Torula					ND	< 13	█	█	█	100
Seldom found growing indoors**										
Ascospores††					ND	< 13	█	█	█	100
Basidiospores††					ND	< 13	█	█	█	100
Rusts					ND	< 13	█	█	█	100
Smuts, Periconia, Myxomycetes††					ND	< 13	█	█	█	100
Total						53	Final MoldSCORE 103			

Location: 20803001-TM16ME

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†	█				1	53	█	█	█	105
Stachybotrys					ND	< 13	█	█	█	100
Torula					ND	< 13	█	█	█	100
Seldom found growing indoors**										
Ascospores††					ND	< 13	█	█	█	100
Basidiospores††					ND	< 13	█	█	█	100
Rusts					ND	< 13	█	█	█	100
Smuts, Periconia, Myxomycetes††	█				1	13	█	█	█	102
Total						119	Final MoldSCORE 105			

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 Northern California
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MoldSCORE™: Spore Trap Report

Location: 20803001-TM17ME

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

Location: 20803001-TM18ME

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†					43	1,210	234			
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						1,210	Final MoldSCORE 234			

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM19ME

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†	█				3	160	█			120
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††	█				1	13				102
Total						173	Final MoldSCORE 120			

Location: 20803001-TM20ME

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					ND	< 13				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†	█				1	53	█			105
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††	█				1	13				102
Total						119	Final MoldSCORE 105			

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM21ME

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					1	53				
Curvularia					ND	< 13				
Nigrospora					ND	< 13				
Penicillium/Aspergillus types†					1	53				
Stachybotrys					ND	< 13				
Torula					ND	< 13				
Seldom found growing indoors**										
Ascospores††					ND	< 13				
Basidiospores††					1	53				
Rusts					ND	< 13				
Smuts, Periconia, Myxomycetes††					ND	< 13				
Total						172	Final MoldSCORE 105			

Location: 20803001-TM22ME

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

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM23ME

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

Location: 20803001-TM24ME

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium					ND	< 13				100
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Other brown					1	13				105
Penicillium/Aspergillus types†					1	53				106
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††					1	13				102
Total						79				Final MoldSCORE 107

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM25ME

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13				100
Bipolaris/Drechslera group					ND	< 13				100
Chaetomium					ND	< 13				100
Cladosporium	█				4	213				108
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†	█				1	53				100
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††	█				4	53				109
Total						319	Final MoldSCORE 109			

Location: 20803001-TM26ME

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	█				2	27				111
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†	█				1	53				104
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						133	Final MoldSCORE 111			

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM27ME

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†					2	107				114
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						107	Final MoldSCORE 114			

Location: 20803001-TM28ME

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†					2	107				114
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††					ND	< 13				100
Basidiospores††					ND	< 13				100
Rusts					ND	< 13				100
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						107	Final MoldSCORE 114			

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM29ME

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†	█				2	107				113
Stachybotrys					ND	< 13				100
Torula					ND	< 13				100
Seldom found growing indoors**										
Ascospores††	█				1	13				100
Basidiospores††					ND	< 13				100
Rusts	█				1	13				105
Smuts, Periconia, Myxomycetes††					ND	< 13				100
Total						133				Final MoldSCORE 113

Location: 20803001-TM30ME

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

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM31ME

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	█				21	280				112
Curvularia					ND	< 13				100
Nigrospora					ND	< 13				100
Penicillium/Aspergillus types†	█				1	53				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						386	Final MoldSCORE 112			

Location: 20803001-TM32ME

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

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wes Frey
 Re: 20803001

Date of Sampling: 03-07-2008
 Date of Receipt: 03-07-2008
 Date of Report: 03-10-2008

MoldSCORE™: Spore Trap Report

Location: 20803001-TM33ME

Fungi Identified	Indoor sample spores/m3				Raw count	Spores/m3	MoldSCORE‡			
	<100	1K	10K	>100K			100	200	300	Score
Generally able to grow indoors*										
Alternaria					ND	< 13	█			100
Bipolaris/Drechslera group					ND	< 13	█			100
Chaetomium					ND	< 13	█			100
Cladosporium					ND	< 13	█			100
Curvularia					ND	< 13	█			100
Nigrospora					ND	< 13	█			100
Penicillium/Aspergillus types†	█				1	53	█			105
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††	█				1	13	█			102
Total						119	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.



HYGIENETECH

Hygiene Technologies International, Inc.

3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8370
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20803001 Date Submitted: 3/7/08
 Project Contact: Wes Fry Turnaround Required: standard
 Lab Destination: EML Lab Contact: _____

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20803001-TM01OUTME	75L	Allergenic	Total Mold Assessment
-TM02ME			
-TM03ME			
-TM04ME			
-TM05ME			
-TM06ME			
-TM07ME			
-TM08ME			
-TM09ME			
-TM10ME			
-TM11ME			
-TM12ME			
-TM13ME			
-TM14ME			
-TM15ME			
-TM16ME			

Special Instructions: _____

1. Sampled by: Melka Em 3/6/08 16:00 Received by: gln 3/7/08 9:45
 2. Relinquished by: gln 3/7/08 10:30 Received by: Mary 3/7/08 10:15
 3. Relinquished by: _____ Received by: _____
 Please include signature, date, and time

Lab Use Only: 396 775



HYGIENE TECH

Hygiene Technologies International, Inc.

3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8370
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20803001 Date Submitted: 3/7/08

Project Contact: Wes Gung Turnaround Required: Standard

Lab Destination: FML Lab Contact: _____

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20803001 - TM17ME	75L	Allygenes D	Total Mold Assessment
- TM18ME			
- TM19ME			
- TM20ME			
- TM21ME			
- TM22ME			
- TM23ME			
- TM24ME			
- TM25ME			
- TM26ME			
- TM27ME			
- TM28ME			
- TM29ME			
- TM30ME			
- TM31ME			
- TM32ME			

Special Instructions: _____

1. Sampled by: Wes Gung 3/6/08 16:00 Received by: GL 3/7/08 9:45
 2. Relinquished by: Wes Gung 3/7/08 10:30 Received by: Wes Gung 3/7/08 10:15am
 3. Relinquished by: _____ Received by: _____
- Please include signature, date, and time

Lab Use Only: 396775



HYGIENE TECH

Hygiene Technologies International, Inc.

3625 Del Amo Boulevard, Suite 180
Torrance, California 90503-1643
(310) 370-8370
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20803001 Date Submitted: 3/7/08
 Project Contact: Wei Fay Turnaround Required: Normal
 Lab Destination: FML Lab Contact: _____

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20803001-TM33ME	75L	Allegro (D)	Total Mold assessment
-TM34ME	↓	↓	↓
-VM01ME	56.6L	MED	Viable Fungus ID
-VM02ME	↓	↓	↓
-VM03ME	↓	↓	↓
-VM04ME	↓	↓	↓
-VM05ME	↓	↓	↓
-VM06ME	↓	↓	↓
-VM07ME	↓	↓	↓
-VM08ME	↓	↓	↓
-VM09ME	↓	↓	↓
-VM10ME	↓	↓	↓
-VM11ME	↓	↓	↓
-VM12ME	↓	↓	↓
-VM13ME	↓	↓	↓
-VM14ME	↓	↓	↓

Special Instructions: _____

1. Sampled by: M. K. Em 3/6/08 16:00 Received by: G/M 3/7/08 9:45
 2. Relinquished by: G/M 3/7/08 10:36 Received by: M/M 3/7/08 10:15AM
 3. Relinquished by: _____ Received by: _____
 Please include signature, date, and time

Lab Use Only: 396775



EMLab P&K

Report for:

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

Regarding: Project: 20803001
 EML ID: 400351

Approved by:

Lab Manager
Magzoub Ismail

Dates of Analysis:
Direct microscopic exam (Qualitative): 03-20-2008
Spore trap analysis: 03-20-2008

Project SOPs: Direct microscopic exam (Qualitative) (I100005), 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: 20803001

Date of Sampling: 03-17-2008
 Date of Receipt: 03-17-2008
 Date of Report: 03-20-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM01CCJL		20803001-TM02CCJL		20803001-TM03CCJL		20803001-TM04CCJL	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1758621-1		1758622-1		1758623-1		1758624-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*	1	53	1	13	1	53	1	53
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	2	107	3	160			6	320
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown			1	13				
Other colorless								
Penicillium/Aspergillus types†							1	53
Pithomyces								
Rusts*					1	13		
Smuts*, Periconia, Myxomycetes*	1	13			1	13		
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	3+		3+		2+		3+	
Hyphal fragments/m3	< 13		< 13		< 13		< 13	
Pollen/m3	< 13		13		< 13		< 13	
Skin cells (1-4+)	1+		2+		1+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		173		186		79		426

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: 20803001

Date of Sampling: 03-17-2008
Date of Receipt: 03-17-2008
Date of Report: 03-20-2008

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20803001-TM05CCJL		20803001-TM06CCJL		20803001-TM07CCJL		20803001-TM08CCJL	
Comments (see below)	None		None		None		A	
Lab ID-Version‡:	1758625-1		1758626-1		1758627-1		1758628-1	
	raw ct.	spores/m3						
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*			1	13				
Bipolaris/Drechslera group					1	13		
Botrytis								
Chaetomium								
Cladosporium	1	53	1	53			16	293
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	1	53						
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*			1	13			2	27
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		3+		4+		3+	
Hyphal fragments/m3	< 13		< 13		< 13		< 13	
Pollen/m3	13		< 13		< 13		< 13	
Skin cells (1-4+)	1+		1+		2+		1+	
Sample volume (liters)	75		75		75		75	
TOTAL SPORE/m3		106		79		13		320

Comments: A) 14 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.

†† 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: 20803001

Date of Sampling: 03-17-2008
 Date of Receipt: 03-17-2008
 Date of Report: 03-20-2008

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‡: 1758613-1: Swab sample 20803001-S01JL				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1758614-1: Swab sample 20803001-S02JL				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1758615-1: Swab sample 20803001-S03JL				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 1758616-1: Swab sample 20803001-S04JL				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 1758617-1: Swab sample 20803001-S05JL				
Heavy	None	None	Heavy amounts of bacteria-like organisms detected.	Possible bacterial growth
Lab ID-Version: 1758618-1: Swab sample 20803001-S06JL				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 1758619-1: Swab sample 20803001-S07JL				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1758620-1: Swab sample 20803001-S08JL				
Heavy	Very few	None	None	Normal trapping

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



HYGIENE

Hygiene Technologies International, Inc.

3625 Del Amo Boulevard, Suite 180

Torrance, California 90503-1643

(310) 370-8370

(310) 370-2174 FAX

www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20803001

Date Submitted: 3/17/08

Project Contact: Wes Frey

Turnaround Required: Standard

Lab Destination: EM Lab

Lab Contact: _____

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
<u>20803001-TM01CCJL</u>	<u>75L</u>	<u>allergenco D</u>	<u>Total fungi ID</u>
<u>-TM02CCJL</u>	↓	↓	↓
<u>-TM03CCJL</u>	↓	↓	↓
<u>-TM04CCJL</u>	↓	↓	↓
<u>-TM05CCJL</u>	↓	↓	↓
<u>-TM06CCJL</u>	↓	↓	↓
<u>-TM07CCJL</u>	↓	↓	↓
<u>-TM08CCJL</u>	↓	↓	↓
<u>-S01JL</u>	<u>N/A</u>	<u>swab</u>	<u>Surface fungi ID qualitative</u>
<u>-S02JL</u>	↓	↓	↓
<u>-S03JL</u>	↓	↓	↓
<u>-S04JL</u>	↓	↓	↓
<u>-S05JL</u>	↓	↓	↓
<u>-S06JL</u>	↓	↓	↓
<u>-S07JL</u>	↓	↓	↓
<u>-S08JL</u>	↓	↓	↓

Special Instructions: _____

1. Sampled by: John Le 3/17/08 1400

Received by: [Signature] 3/17/08 1400

2. Relinquished by: [Signature] 3/17/08

Received by: [Signature] 3/17/08

3. Relinquished by: _____

Received by: _____

Please include signature, date, and time

Lab Use Only:

400351



EMLab P&K

Report for:

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

Regarding: Project: 20803001
 EML ID: 396775

Approved by:

Lab Manager
Dr. Kamashwaran Ramanathan

Dates of Analysis:
Culturable air fungi (Incl. Asp spp.): 03-14-2008
Spore trap analysis: 03-10-2008

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: 20803001

Date of Sampling: 03-07-2008
Date of Receipt: 03-07-2008
Date of Report: 03-14-2008

CULTURABLE AIR FUNGI REPORT

Location:	20803001-VM01OUTME		20803001-VM02ME		20803001-VM03ME		20803001-VM04ME	
Comments (see below)	A		None		None		None	
Lab ID-Version‡:	1743073-1		1743074-1		1743075-1		1743076-1	
	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3	raw ct.	cfu*/m3
Acremonium								
Alternaria								
Aspergillus flavus								
Aspergillus fumigatus							1	18
Aspergillus nidulans								
Aspergillus niger	1	18						
Aspergillus ochraceus								
Aspergillus versicolor								
Aureobasidium								
Basidiomycetes								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	20	371			1	18	1	18
Curvularia								
Epicoccum								
Fusarium								
Mucor								
Non-sporulating fungi							1	18
Paecilomyces								
Penicillium	2	35	8	141	1	18		
Phoma								
Rhizopus	1	18						
Stachybotrys chartarum								
Ulocladium								
Yeasts								
Positive Hole	400		400		400		400	
Sample volume (liters)	56.6		56.6		56.6		56.6	
TOTAL CFU*/M3		442		141		36		54

* 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.

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: 20803001

Date of Sampling: 03-07-2008
Date of Receipt: 03-07-2008
Date of Report: 03-14-2008

CULTURABLE AIR FUNGI REPORT

Location:	20803001-VM05ME		20803001-VM06ME		20803001-VM07ME		20803001-VM08ME	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1743077-1		1743078-1		1743079-1		1743080-1	
	raw ct.	cfu*/m3						
Acremonium								
Alternaria								
Aspergillus flavus								
Aspergillus fumigatus			1	18				
Aspergillus nidulans								
Aspergillus niger					1	18		
Aspergillus ochraceus								
Aspergillus versicolor	1	18						
Aureobasidium								
Basidiomycetes								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium			1	18				
Curvularia								
Epicoccum								
Fusarium								
Mucor								
Non-sporulating fungi								
Paecilomyces								
Penicillium	3	53						
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		36		18		< 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.
 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: 20803001

Date of Sampling: 03-07-2008
Date of Receipt: 03-07-2008
Date of Report: 03-14-2008

CULTURABLE AIR FUNGI REPORT

Location:	20803001-VM09ME		20803001-VM10ME		20803001-VM11ME		20803001-VM12ME	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1743081-1		1743082-1		1743083-1		1743084-1	
	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			12	212	2	35		
Aspergillus ochraceus								
Aspergillus versicolor								
Aureobasidium								
Basidiomycetes								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium					1	18	1	18
Curvularia								
Epicoccum								
Fusarium								
Mucor								
Non-sporulating fungi							1	18
Paecilomyces								
Penicillium	1	18						
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		18		212		53		36

* 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: 20803001

Date of Sampling: 03-07-2008
Date of Receipt: 03-07-2008
Date of Report: 03-14-2008

CULTURABLE AIR FUNGI REPORT

Location:	20803001-VM13ME		20803001-VM14ME		20803001-VM15ME		20803001-VM16ME	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	1743085-1		1743086-1		1743087-1		1743088-1	
	raw ct.	cfu*/m3						
Acremonium								
Alternaria								
Aspergillus flavus								
Aspergillus fumigatus								
Aspergillus nidulans								
Aspergillus niger								
Aspergillus ochraceus								
Aspergillus versicolor								
Aureobasidium	1	18						
Basidiomycetes								
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	2	35	1	18	1	18		
Curvularia								
Epicoccum								
Fusarium								
Mucor								
Non-sporulating fungi					1	18		
Paecilomyces								
Penicillium								
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		88		18		36		< 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.

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: 20803001

Date of Sampling: 03-07-2008
Date of Receipt: 03-07-2008
Date of Report: 03-14-2008

CULTURABLE AIR FUNGI REPORT

Location:	20803001-VM17ME		20803001-VM18OUTME	
Comments (see below)	None		None	
Lab ID-Version‡:	1743089-1		1743090-1	
	raw ct.	cfu*/m3	raw ct.	cfu*/m3
Acremonium				
Alternaria				
Aspergillus flavus				
Aspergillus fumigatus				
Aspergillus nidulans				
Aspergillus niger			2	35
Aspergillus ochraceus				
Aspergillus versicolor				
Aureobasidium				
Basidiomycetes				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			16	283
Curvularia				
Epicoccum			1	18
Fusarium				
Mucor			1	18
Non-sporulating fungi	1	18	2	35
Paecilomyces				
Penicillium			3	53
Phoma				
Rhizopus				
Stachybotrys chartarum				
Ulocladium				
Yeasts				
Positive Hole	400		400	
Sample volume (liters)	56.6		56.6	
TOTAL CFU*/M3		18		442

* 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.



EMLab P&K

Report for:

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

Regarding: Project: 20803001
 EML ID: 400353

Approved by:

Lab Manager
Magzoub Ismail

Dates of Analysis:

Direct microscopic exam (Qualitative): 03-20-2008

Project SOPs: Direct microscopic exam (Qualitative) (I100005)

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: 20803001

Date of Sampling: 03-13-2008
 Date of Receipt: 03-18-2008
 Date of Report: 03-20-2008

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‡: 1758575-1: Tape sample 20803001-TL01ME				
Scant	Very few	None	None	Normal trapping
Lab ID-Version: 1758576-1: Tape sample 20803001-TL02ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1758577-1: Tape sample 20803001-TL03ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1758578-1: Tape sample 20803001-TL04ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1758579-1: Tape sample 20803001-TL05ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1758580-1: Tape sample 20803001-TL06ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1758581-1: Tape sample 20803001-TL07ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1758582-1: Tape sample 20803001-TL08ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1758583-1: Tape sample 20803001-TL09ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1758584-1: Tape sample 20803001-TL10ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1758585-1: Tape sample 20803001-TL11ME				
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‡: 1758586-1: Tape sample 20803001-TL12ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1758587-1: Tape sample 20803001-TL13ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1758588-1: Tape sample 20803001-TL14ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1758589-1: Tape sample 20803001-TL15ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1758590-1: Tape sample 20803001-TL16ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1758591-1: Tape sample 20803001-TL17ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1758592-1: Tape sample 20803001-TL18ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1758593-1: Tape sample 20803001-TL19ME				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 1758594-1: Tape sample 20803001-TL20ME				
Light	Very few	None	None	Normal trapping

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



HYGIENE TECH

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Request For Analysis

Project Number/Purchase Order: 20903001 Date Submitted: 3/17/09
 Project Contact: Wes Frey Turnaround Required: standard
 Lab Destination: EML Lab Contact: _____

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20803001-TL01ME	WIA	Bio TAPE	Surface Mold ID
-TL02ME			
-TL03ME			
-TL04ME			
-TL05ME			
-TL06ME			
-TL07ME			
-TL08ME			
-TL09ME			
-TL10ME			
-TL11ME			
-TL12ME			
-TL13ME			
-TL14ME			
-TL15ME			
-TL16ME			

Special Instructions: _____

1. Sampled by: Wesley Em 3/13/09 17:00 Received by: [Signature] 3/17/09 4 PM
 2. Relinquished by: _____ Received by: _____
 3. Relinquished by: _____ Received by: _____

Please include signature, date, and time

Lab Use Only: _____

405553

