



HYGIENETECH

Hygiene Technologies International, Inc.

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July 29, 2010

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

Document No. 20910001.3

Attention: David Gau

Regarding: Fungal Growth Remediation Monitoring and Clearance Surveys
15th Floor

Dear Mr. Gau:

On various dates in October of 2009, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) monitored fungal growth remediation activities and conducted fungal growth remediation clearances on the 15th Floor of the State of California Board of Equalization (BOE) building located at 450 N Street in Sacramento, California. Fungal growth remediation was performed by JLS Environmental Services, Inc. (JLS) under the direction of LaCroix Davis, LLC (LCD), an industrial hygiene consulting firm contracted with the State of California Department of General Services (DGS). The fungal growth remediation protocols for the project were established by LCD and can be found in their document *State Board of Equalization Generic Floor Remediation Protocol, Rev 1* dated August 3, 2009.

During the surveys, air and surface samples were collected within the 15th Floor abatement enclosures and one or more additional air samples were collected at outdoor locations on specific survey dates for comparison purposes. Air samples were collected using a Zefon brand Bio-Pump™ equipped with Zefon Air-O-Cell™ cassettes. Surface samples were collected using cellophane tape segments that were affixed to microscope slides. All such samples were subsequently analyzed for fungi (including yeasts, molds, rusts, smuts, and mushrooms) by trained and experienced microbiologists at a laboratory accredited by the American Industrial Hygiene Association (AIHA) and that successfully participates in the AIHA Environmental Microbiology Proficiency Analytical Testing (EMPAT) Program. The analytical data with supporting and background information appear in the enclosed Tables 20910001-27 through 20910001-29.

Fungal growth remediation occurred in various areas of the 15th Floor including the Men's and Women's Restrooms, the northwestern drinking fountain area, the Janitor Closet, Conference Room 1502 and adjacent walls in the Column N20 area, Quiet Room 1510, Break Room 1508, the southern and eastern punch-out window areas in the southeastern corner of the floor, and the western punch-out window area in the southwestern corner of the floor. During the remediation activities, HygieneTech observed and documented the removal of fungal growth-contaminated building materials and decontamination of remaining materials including but not limited to the exposed interior wall cavity framing, proximate drywall



not affected by fungal growth, ceilings, and subfloors. Additionally, all such work was performed within controlled negative pressure containments that were monitored with the use of manometers. Those control measures were utilized so that dispersion of airborne spores was limited to the enclosed areas. The surface assessment data with supporting and background information regarding the 15th Floor fungal growth remediation activities appear in the enclosed Table 20910001-27.

As shown in that table, the surface assessment data indicated fungal growth involving *Alternaria*, brown hyphae, *Chaetomium*, *Cladosporium*, colorless spores typical of *Penicillium* and *Aspergillus* species, *Penicillium*, *Stachybotrys*, and/or *Ulocladium* on various surfaces within the above mentioned remediation enclosures. Note that additional building materials removal had occurred in the southwestern corner southern punch-out window area, the northwestern corner northern and western punch-out window areas, and the northeastern corner northern and eastern punch-out window areas, however, no evidence of fungal growth was observed at those locations.

Following the completion of the fungal growth remediation activities, attempts were made to clear the enclosed work areas. Prior to the clearance surveys, visual inspections were performed within each of the enclosed work areas. By observation, all gross quantities of fungal growth had been removed from the fungal growth remediation areas. Note, however, that some of the fungal growth affected gypsum board materials in the Men's Restroom, Women's Restroom, Janitor Closet, and northwestern drinking fountain areas were not removed during the remediation activities based on DGS's consultation with the Fire Marshall regarding removal of fire rated walls and/or due to walls being considered inaccessible by DGS and/or their consultants. Such walls were instead abraded as needed to remove surface fungal growth, wet wiped with a biocide solution, HEPA vacuumed, and then encapsulated with Foster® Full Defense™ (40-25) fungicidal protective coating. Areas showing water staining but no evidence of fungal growth were also painted with the Foster® Full Defense™ product.

On the clearance survey dates, the airborne total fungi data recorded indoors showed low levels of common fungi including basidiospores, *Cladosporium*, *Chaetomium*, colorless spores typical of *Penicillium* and *Aspergillus* species, *Epicoccum*, *Nigrospora*, and smuts. The spore types detected indoors matched those found outdoors, and the overall spore counts within the containments were well below the overall datum recorded outdoors. Historical data indicate that indoor spore levels usually average 30 to 80 percent of the outdoor spore level at the time of sampling, with the same general distribution of spore types. The overall indoor data recorded during the surveys did not exceed two percent of the outdoor datum on any of the survey dates. Similarly, as shown in Table 20910001-29, the surface sample data recorded within the containments showed no evidence of fungal growth or above background levels of fungal spores on any of the abated building material surfaces tested. These data do not represent conditions that are expected to pose a health hazard to occupants above that posed by the outside environment where exposures to airborne and surface-borne fungi are known to exist. Collectively, the results of the surveys therefore satisfy the clearance criteria for fungal growth established for this project and notification to that effect was provided to representatives of BOE, JLS, LCD, and DGS on the dates that the lab data were received.

Be advised that the data provided with this correspondence only represent fungal growth and exposure potentials that existed at the time the surveys were performed and at the precise locations only, the latter of which were selected based on the available background information provided, and 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, while no evidence of additional fungal growth was seen at the time of the surveys, additional fungal growth may exist at one or more locations in the structure that were not specifically assessed during the surveys. And finally, the exposure data recorded during these surveys 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 entering the 15th Floor do experience non-specific ill effects, such as eye irritation, allergy symptoms, headache, or skin rash, then those affected should be referred to a medical professional in order to determine or specify the possible cause(s) of such reactions. If additional information becomes available, then further assessment may be warranted.

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

Sincerely,

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

A handwritten signature in black ink, appearing to read 'Kenny', is written over a horizontal line. The signature is stylized and includes a long horizontal stroke extending to the right.

Kenny K. Hsi, CIH
Technical Director



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Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 20910001-27
SURFACE FUNGAL GROWTH POTENTIALS
ABATEMENT MONITORING
15TH FLOOR
SACRAMENTO, CALIFORNIA
OCTOBER, 2009

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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
10/09/09	20910001-TL01KT	Women's Restroom; within containment; southern sink cabinetry interior along western partition wall; from horizontal surface of particle board	Moderate	Very few	3+ <i>Ulocladium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
10/09/09	20910001-TL02KT	Women's Restroom; within containment; central sink cabinetry interior along western partition wall; from vertical surface of particle board	Moderate	Very few	2+ <i>Chaetomium</i> species (ascospores, hyphae) <1+ <i>Ulocladium</i> species (spores, hyphae)	None	Fungal growth
10/09/09	20910001-TL03KT	Janitor Closet; within containment; sink area; western partition wall; about center; approximately six inches above floor; from vertical surface of gypsum board	Light	Very few	4+ <i>Chaetomium</i> species (ascospores, ascomata, hyphae)	None	Fungal growth
10/09/09	20910001-TL04KT	Women's Restroom; within containment; western partition wall; about six feet south of northern partition wall; approximately six inches above floor; from vertical surface of gypsum board	Light	Very few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 4+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Fungal growth
10/09/09	20910001-TL05KT	Women's Restroom; within containment; northern towel dispenser area; northern partition wall cavity; about center; approximately six inches above floor; from vertical surface of the reverse side of plumbing chase southern partition wall gypsum board	Light	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	Moderate amounts of <i>Ulocladium</i> spores detected	Fungal growth

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

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



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SURFACE FUNGAL GROWTH POTENTIALS
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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
10/09/09	20910001-TL81LS	Men's Restroom; northern portion of sink cabinetry interior; from horizontal surface of wood	Heavy	Very few	4+ <i>Stachybotrys</i> species (spores, hyphae conidiophores)	None	Fungal growth
10/09/09	20910001-TL82LS	Men's Restroom; eastern partition wall; about four feet south of northern towel dispenser; approximately 14 inches above floor; from vertical surface of gypsum board	Heavy	Very few	4+ <i>Stachybotrys</i> species (spores, hyphae conidiophores)	Very few <i>Chaetomium</i> spores detected Very few <i>Ulocladium</i> spores detected	Fungal growth
10/09/09	20910001-TL83LS	Women's Restroom; within containment; western partition wall; about center; approximately 12 inches above floor; from vertical surface of gypsum board	Heavy	Very few	4+ <i>Chaetomium</i> species (ascospores, ascomata, hyphae) <1+ Colorless spores typical of <i>Penicillium</i> / <i>Aspergillus</i> (spores, hyphae)	None	Fungal growth
10/09/09	20910001-TL84LS	Men's Restroom; within containment; cavity space north of northern towel dispenser area; western partition wall at southwestern corner; approximately six inches above floor; from reverse side of gypsum board	Heavy	Very few	4+ <i>Ulocladium</i> species (spores, hyphae conidiophores) 3+ colorless spores typical of <i>Penicillium</i> / <i>Aspergillus</i> (spores, hyphae)	None	Fungal growth
10/09/09	20910001-TL85LS	Men's Restroom; within containment; eastern partition wall cavity; about center; approximately six inches above floor; from vertical surface of elevator shaft western partition wall gypsum board	Moderate	Very few	4+ <i>Ulocladium</i> species (spores, hyphae conidiophores)	None	Fungal growth

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

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10/12/09	20910001-TL101KT	Janitor Closet; within containment; sink area; eastern partition wall; about one foot south of northern partition wall; approximately six inches above floor; from vertical surface of second layer gypsum board	Moderate	Very few	3+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 1+ <i>Penicillium</i> species (spores, hyphae, conidiophores) 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
10/12/09	20910001-TL102KT	Men's Restroom; within containment; southwestern corner; within western partition wall cavity interior; northern partition wall; approximately six inches above floor; from vertical surface of gypsum board	Moderate	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
10/15/09	20910001-TL11KT	Southwestern corner; western punchout window area; within containment; windowsill at southern end; from vertical surface of previously removed gypsum board	Moderate	Very few	2+ Colorless spores typical of <i>Penicillium</i> / <i>Aspergillus</i> (spores, hyphae)	None	Fungal growth
10/15/09	20910001-TL25LS	Quiet Room 1510; within containment; western partition wall; about two feet south of northern partition wall; approximately one inch above floor; from vertical surface of gypsum board	Light	None	4+ <i>Penicillium</i> species (spores, hyphae, conidiophores)	None	Fungal growth

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

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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
10/15/09	20910001-TL26LS	Quiet Room 1510; within containment; western partition wall; about two feet north of southern partition wall; approximately one inch above floor; from vertical surface of gypsum board	Moderate	Very few	4+ <i>Chaetomium</i> species (ascospores, ascomata, hyphae) 3+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Fungal growth
10/15/09	20910001-TL27LS	Quiet Room 1510; within containment; western partition wall cavity; about center; approximately two inches above floor; from reverse side of the Break Room 1508 eastern partition wall gypsum board	Light	None	4+ <i>Penicillium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
10/16/09	20910001-TL28LS	Conference Room 1502; within containment; southern partition wall; about two feet west of eastern partition wall; approximately one inch above floor; from vertical surface of gypsum board	Heavy	Very few	3+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae) 3+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Fungal growth
10/16/09	20910001-TL29LS	Column N20 area; within containment; western partition wall contiguous with Conference Room 1502; about six feet north of southern partition wall; approximately one inch above floor; from reverse side of previously removed gypsum board	Very heavy	Very few	<1+ Brown hyphae with no associated spores, ID unknown (hyphae)	A few <i>Stachybotrys</i> spores detected	Minimal fungal growth

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

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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
10/16/09	20910001-TL30LS	Conference Room 1502; within containment; eastern partition wall; about four feet south of northern partition wall; approximately one inch above floor; from reverse side of previously removed gypsum board	Heavy	Very few	None	None	Background
10/16/09	20910001-TL21KT	Break Room 1508; within containment; eastern partition wall; about center; approximately three inches above floor; from vertical surface of gypsum board	Heavy	Very few	4+ <i>Chaetomium</i> species (ascospores, ascomata, hyphae) 3+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Fungal growth
10/16/09	20910001-TL22KT	Break Room 1508; within containment; southern partition wall; about one foot west of eastern partition wall; approximately three inches above floor; from vertical surface of gypsum board	Moderate	Very few	4+ <i>Penicillium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
10-17-09	20910001-TL51KT	Southeastern corner; eastern punch-out area; within containment; windowsill at southern end; from reverse side of previously removed gypsum board	Moderate	Very few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	None	Fungal growth

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

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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
10-17-09	20910001-TL52KT	Southeastern corner; southern punch-out window area; within containment; windowsill at eastern end; from reverse side of previously removed gypsum board	Moderate	Very few	4+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 4+ <i>Chaetomium</i> species (ascospores, ascomata, hyphae) < 1+ Colorless spores typical of <i>Penicillium</i> / <i>Aspergillus</i> (spores, hyphae)	None	Fungal growth
10-17-09	20910001-TL53KT	Southeastern corner; southern punch-out window area; within containment; southern perimeter wall cavity; about one foot west of Column L18; approximately three inches above floor; from vertical surface of insulation	Light	Very few	< 1+ <i>Ulocladium</i> species (spores, hyphae, conidiophores)	None	Minimal fungal growth
10-17-09	20910001-TL54KT	Southeastern corner; southern punch-out window area; within containment; about one foot west of Column L18; approximately one inch above floor; from reverse side of previously removed gypsum board	Heavy	Very few	None	Very few <i>Chaetomium</i> spores detected	Possible settling from fungal growth in vicinity
10-17-09	20910001-TL55KT	Southeastern corner; saw tooth containment; Column L17 southern partition wall cavity; about center; approximately one foot above floor; from vertical surface of fire proofing	Heavy	Variety	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).

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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
10-17-09	20910001-TL56KT	Northern hallway; western drinking fountain area; within containment; eastern partition wall; approximately three inches north of southern partition wall; approximately three inches above floor; from vertical surface of gypsum board	Heavy	Very few	4+ Colorless hyphae with no associated spores, ID unknown. (hyphae) 3+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
10-17-09	20910001-TL57KT	Northern hallway; western drinking fountain area; within containment; southern partition wall cavity; about center; approximately three inches above floor; from vertical surface of metal stud	Heavy	Very few	<1+ Colorless spores typical of <i>Penicillium</i> / <i>Aspergillus</i> (spores, hyphae)	None	Minimal fungal growth

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

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TABLE 20910001-28
AIRBORNE TOTAL FUNGI RESULTS
CLEARANCE
15TH FLOOR
SACRAMENTO, CALIFORNIA
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Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	20910001-TM21OUTLS	20910001-TM22LS	20910001-TM23LS	20910001-TM31OUTKT
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 25 feet east of building; approximately five feet above ground/Normal outdoor activities	Janitor Closet; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Women's Restroom; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Outdoors; about 25 feet east of building; approximately five feet above ground/Normal outdoor activities
DATE	10-14-09	10-14-09	10-14-09	10-15-09
START/STOP	14:18:00/14:23:00	14:50:00/14:55:00	15:14:00/15:19:00	12:46:00/12:51:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	27			27
Ascospores	640			480
Basidiospores	11,000	53		81,000
Bipolaris/Drechslera group				
Botrytis				13
Chaetomium		13		13
Cladosporium	2,800		53	7,000
Curvularia				
Epicoccum				
Nigrospora	13		13	80
Oidium				
Other brown				
Penicillium/Aspergillus types	800	160	110	370
Pithomyces				
Rusts				53
Smuts, Periconia, Myxomycetes		13		13
Stachybotrys				
Stemphylium	80			27
Torula				
Ulocladium				
Hyphal fragments	27	<13	13	<13
Background debris*	3+	3+	3+	3+
TOTAL**	16,000	240	170	89,000

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

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

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TABLE 20910001-28
AIRBORNE TOTAL FUNGI RESULTS
CLEARANCE
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Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	20910001-TM32KT	20910001-TM33KT	20910001-TM34KT	20910001-TM35KT
SAMPLING LOCATION/ACTIVITIES	Northeastern corner; northern punchout window area; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Northeastern corner; eastern punchout window area; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Northwestern corner; western punchout window area; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Northwestern corner; northern punchout window area; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only
DATE	10-15-09	10-15-09	10-15-09	10-15-09
START/STOP	13:12:00/13:17:00	13:26:00/13:31:00	13:39:00/13:44:00	13:51:00/13:56:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Ascospores				
Basidiospores		53		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts, Periconia, Myxomycetes				13
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	13
Background debris*	3+	2+	3+	2+
TOTAL **	<13	53	<13	13

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

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

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

SAMPLE NUMBER	20910001-TM41OUTKT	20910001-TM42KT	20910001-TM43KT	20910001-TM44KT
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 25 feet east of building; approximately five feet above ground/Normal outdoor activities	Southwestern corner; southern punchout window area; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Southwestern corner; western punchout window area; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Men's Restroom; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only
DATE	10-16-09	10-16-09	10-16-09	10-16-09
START/STOP	13:14:00/13:19:00	13:36:00/13:41:00	13:49:00/13:54:00	14:03:00/14:08:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	93			
Ascospores	530			
Basidiospores	64,000		160	
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	6,800		53	
Curvularia				
Epicoccum	40			
Nigrospora	27			
Oidium				
Other brown				
Penicillium/Aspergillus types	160		160	
Pithomyces				
Rusts				
Smuts, Periconia, Myxomycetes	40			
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	27	<13	13	13
Background debris*	2+	2+	3+	2+
TOTAL **	72,000	<13	370	<13

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

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

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

**TABLE 20910001-28
AIRBORNE TOTAL FUNGI RESULTS
CLEARANCE
15TH FLOOR
SACRAMENTO, CALIFORNIA
OCTOBER, 2009**

Page 4

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

SAMPLE NUMBER	20910001-TM71OUTKT	20910001-TM72KT	20910001-TM73KT	20910001-TM74KT
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 15 feet northeast of building; approximately five feet above ground/Normal outdoor activities	Northern hallway; western drinking fountain area; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Conference Room 1502; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Quiet Room 1510; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only
DATE	10-19-09	10-19-09	10-19-09	10-19-09
START/STOP	8:13:00/8:18:00	8:37:00/8:42:00	8:54:00/8:59:00	9:13:00/9:18:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Ascospores	1,000			
Basidiospores	6,400			
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	11,000	53	40	53
Curvularia				
Epicoccum				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types	1,200			110
Pithomyces				
Rusts				
Smuts, Periconia, Myxomycetes	27	13		
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background debris*	2+	2+	2+	2+
TOTAL **	20,000	67	40	160

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

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



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

**TABLE 20910001-28
AIRBORNE TOTAL FUNGI RESULTS
CLEARANCE
15TH FLOOR
SACRAMENTO, CALIFORNIA
OCTOBER, 2009**

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

SAMPLE NUMBER	20910001-TM91OUTKT	20910001-TM92KT	20910001-TM93KT	20910001-TM94KT
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 25 feet east of building; approximately five feet above ground/Normal outdoor activities	Southeastern corner; sawtooth containment; southern perimeter window area between Column J18 & J19; about center; approximately five feet above floor/Post abatement; sampling activities only	Southeastern corner; sawtooth containment; eastern middle window area; about one foot north of southern middle window; approximately five feet above floor/Post abatement; sampling activities only	Southeastern corner; sawtooth containment; eastern perimeter window area between Column L17 & K17; about center; approximately five feet above floor/Post abatement; sampling activities only
DATE	10-21-09	10-21-09	10-21-09	10-21-09
START/STOP	13:23:00/13:28:00	13:46:00/13:51:00	13:53:00/13:58:00	13:59:00/14:04:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	80			
Ascospores	2,500			
Basidiospores	31,000	53	53	
Bipolaris/Drechslera group	27			
Botrytis				
Chaetomium				
Cladosporium	8,400			53
Curvularia				
Epicoccum	27			13
Nigrospora	27			
Oidium				
Other brown				
Penicillium/Aspergillus types	1,400	110		
Pithomyces				
Rusts	13			
Smuts, Periconia, Myxomycetes	110			
Stachybotrys				
Stemphylium	27			
Torula				
Ulocladium				
Hyphal fragments	27	<13	<13	<13
Background debris*	2+	2+	2+	2+
TOTAL**	44,000	160	53	67

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

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

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20910001-29
SURFACE FUNGAL GROWTH POTENTIALS
CLEARANCE
15TH FLOOR
SACRAMENTO, CALIFORNIA
OCTOBER, 2009

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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
10-14-09	20910001-TL21LS	Janitor Closet; within containment; sink area; western partition wall cavity; about nine inches south of northern partition wall cavity; approximately one inch above floor; from vertical surface of metal stud	Light	Very few	None	None	Background
10-14-09	20910001-TL22LS	Janitor Closet; within containment; sink area; subfloor along northern partition wall; from horizontal surface of concrete	Moderate	Very few	None	None	Background
10-14-09	20910001-TL23LS	Women's Restroom; within containment; western partition wall cavity; about center; approximately three inches above floor; from reverse side of elevator shaft eastern partition wall gypsum board	Moderate	Very few	None	None	Background
10-14-09	20910001-TL24LS	Women's Restroom; within containment; northern towel dispenser area; floor; about center; from horizontal surface of concrete	Moderate	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



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

TABLE 20910001-29
SURFACE FUNGAL GROWTH POTENTIALS
CLEARANCE
15TH FLOOR
SACRAMENTO, CALIFORNIA
OCTOBER, 2009

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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
10/16/09	20910001-TL43KT	Southwestern corner; western punchout window area; within containment ; window jamb at southern end; approximately three inches above windowsill; from vertical surface of metal stud	Light	Very few	None	None	Background
10/16/09	20910001-TL44KT	Southwestern corner; western punchout window area; within containment; floor; about center; from horizontal surface of concrete	Light	Very few	None	None	Background
10/16/09	20910001-TL45KT	Men's Restroom; within containment; northern towel dispenser area; eastern partition wall cavity; about center; approximately three inches above floor; from vertical surface of metal stud	Moderate	Very few	None	None	Background
10/16/09	20910001-TL46KT	Men's Restroom; within containment; northern towel dispenser area; floor; from horizontal surface of concrete	Light	Very few	None	None	Background
10/19/09	20910001-TL81KT	Northwestern hallway; drinking fountain area; within containment; subfloor; about center; from horizontal surface of concrete	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



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

TABLE 20910001-29
SURFACE FUNGAL GROWTH POTENTIALS
CLEARANCE
15TH FLOOR
SACRAMENTO, CALIFORNIA
OCTOBER, 2009

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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
10/19/09	20910001-TL82KT	Northwestern hallway; drinking fountain area; within containment; eastern partition wall; about two inches north of southern partition wall; approximately three inches above floor; from vertical surface of gypsum board	Light	Very few	None	None	Background
10/19/09	20910001-TL83KT	Conference Room 1502; within containment; eastern partition wall cavity; about center; from horizontal surface of metal stud rail	Light	Very few	None	None	Background
10/19/09	20910001-TL84KT	Conference Room 1502; within containment; eastern partition wall cavity; about center; approximately six inches above floor; from vertical surface of metal stud	Moderate	Very few	None	None	Background
10/19/09	20910001-TL85KT	Quiet Room 1510; within containment; western partition wall cavity; about center; from horizontal surface of metal stud rail	Moderate	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



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

TABLE 20910001-29
SURFACE FUNGAL GROWTH POTENTIALS
CLEARANCE
15TH FLOOR
SACRAMENTO, CALIFORNIA
OCTOBER, 2009

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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
10/19/09	20910001-TL86KT	Quiet Room 1510; within containment; western partition wall cavity; about center; approximately six inches above floor; from vertical surface of metal stud	Light	Very few	None	None	Background
10/21/09	20910001-TL91KT	Southeastern corner; sawtooth containment; southern perimeter wall between Column J18 and J19; about center; about center; approximately six inches above floor; from vertical surface of metal stud	Light	Very few	None	None	Background
10/21/09	20910001-TL92KT	Southeastern corner; sawtooth containment; southern perimeter window area between Column J18 and J19; about center; subfloor; from horizontal surface of concrete	Light	Very few	None	None	Background
10/21/09	20910001-TL93KT	Southeastern corner; sawtooth containment; eastern middle window area; eastern perimeter wall; about center; approximately six inches above floor; from vertical surface of metal stud	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



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

TABLE 20910001-29
SURFACE FUNGAL GROWTH POTENTIALS
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15TH FLOOR
SACRAMENTO, CALIFORNIA
OCTOBER, 2009

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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
10/21/09	20910001-TL94KT	Southeastern corner; sawtooth containment; eastern middle window area; subfloor; about center; from horizontal surface of concrete	Light	Very few	None	None	Background
10/21/09	20910001-TL95KT	Southeastern corner; sawtooth containment; eastern perimeter wall between Column L17 & K17; approximately six inches above floor; from vertical surface of metal stud	Light	Very few	None	None	Background
10/21/09	20910001-TL96KT	Southeastern corner; sawtooth containment; eastern perimeter window area between Column L17 & K17; subfloor; about center; from horizontal surface of concrete	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+.



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20910001
 EML ID: 590257

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 10-13-2009

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

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. Wesley Frey
Re: 20910001

Date of Sampling: 10-09-2009
Date of Receipt: 10-12-2009
Date of Report: 10-13-2009

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‡: 2616597-1: Tape sample 20910001-TL81LS				
Heavy	Very few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2616598-1: Tape sample 20910001-TL82LS				
Heavy	Very few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	Very few <i>Chaetomium</i> spores detected. Very few <i>Ulocladium</i> spores detected.	Mold growth
Lab ID-Version: 2616599-1: Tape sample 20910001-TL83LS				
Heavy	Very few	4+ <i>Chaetomium</i> species (ascospores, ascomata, hyphae) < 1+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Mold growth
Lab ID-Version: 2616600-1: Tape sample 20910001-TL84LS				
Heavy	Very few	4+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 3+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Mold growth
Lab ID-Version: 2616601-1: Tape sample 20910001-TL85LS				
Moderate	Very few	4+ <i>Ulocladium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2616602-1: Tape sample 20910001-TL01KT				
Moderate	Very few	3+ <i>Ulocladium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2616603-1: Tape sample 20910001-TL02KT				
Moderate	Very few	2+ <i>Chaetomium</i> species (ascospores, hyphae) < 1+ <i>Ulocladium</i> species (spores, hyphae)	None	Mold growth
Lab ID-Version: 2616604-1: Tape sample 20910001-TL03KT				
Light	Very few	4+ <i>Chaetomium</i> species (ascospores, ascomata, hyphae)	None	Mold growth

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2616605-1: Tape sample 20910001-TL04KT				
Light	Very few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 4+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2616606-1: Tape sample 20910001-TL05KT				
Light	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	Moderate amounts of <i>Ulocladium</i> spores detected.	Mold growth

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



EMLab P&K

Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20910001
 EML ID: 590258

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 10-13-2009

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.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20910001

Date of Receipt: 10-12-2009
 Date of Report: 10-13-2009

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‡: 2616595-1: Tape sample 20910001-TL101KT				
Moderate	Very few	3+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 1+ <i>Penicillium</i> species (spores, hyphae, conidiophores) 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2616596-1: Tape sample 20910001-TL102KT				
Moderate	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth

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



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20910001
 EML ID: 591953

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 10-19-2009

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

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20910001

Date of Receipt: 10-16-2009
 Date of Report: 10-19-2009

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‡: 2624087-1: Tape sample 20910001-TL25LS				
Light	None	4+ <i>Penicillium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2624088-1: Tape sample 20910001-TL26LS				
Moderate	Very few	4+ <i>Chaetomium</i> species (ascospores, ascomata, hyphae) 3+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Mold growth
Lab ID-Version: 2624089-1: Tape sample 20910001-TL27LS				
Light	None	4+ <i>Penicillium</i> species (spores, hyphae, conidiophores)	None	Mold growth

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



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20910001
 EML ID: 591643

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 10-15-2009

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

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20910001

Date of Receipt: 10-15-2009
 Date of Report: 10-15-2009

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‡: 2622852-1: Tape sample 20910001-TL11KT				
Moderate	Very few	2+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Mold growth

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



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20910001
 EML ID: 592624

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 10-20-2009

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

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wesley Frey
Re: 20910001

Date of Receipt: 10-19-2009
Date of Report: 10-20-2009

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‡: 2627358-1: Tape sample 20910001-TL28LS				
Heavy	Very few	3+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae) 3+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2627359-1: Tape sample 20910001-TL29LS				
Very Heavy	Very few	< 1+ Brown hyphae with no associated spores, ID unknown. (hyphae)	A few <i>Stachybotrys</i> spores detected.	Minimal mold growth
Lab ID-Version: 2627360-1: Tape sample 20910001-TL30LS				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 2627361-1: Tape sample 20910001-TL21KT				
Heavy	Very few	4+ <i>Chaetomium</i> species (ascospores, ascomata, hyphae) 3+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Mold growth
Lab ID-Version: 2627362-1: Tape sample 20910001-TL22KT				
Moderate	Very few	4+ <i>Penicillium</i> species (spores, hyphae, conidiophores)	None	Mold growth

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



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20910001
 EML ID: 592586

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 10-19-2009

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

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20910001

Date of Sampling: 10-19-2009
 Date of Receipt: 10-19-2009
 Date of Report: 10-19-2009

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‡: 2627121-1: Tape sample 20910001-TL51KT				
Moderate	Very few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2627122-1: Tape sample 20910001-TL52KT				
Moderate	Very few	4+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 4+ <i>Chaetomium</i> species (ascospores, ascomata, hyphae) < 1+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Mold growth
Lab ID-Version: 2627123-1: Tape sample 20910001-TL53KT				
Light	Very few	< 1+ <i>Ulocladium</i> species (spores, hyphae, conidiophores)	None	Minimal mold growth
Lab ID-Version: 2627124-1: Tape sample 20910001-TL54KT				
Heavy	Very few	None	Very few <i>Chaetomium</i> spores detected.	Mold growth in vicinity?
Lab ID-Version: 2627125-1: Tape sample 20910001-TL55KT				
Heavy	Variety	None	None	Normal trapping
Lab ID-Version: 2627126-1: Tape sample 20910001-TL56KT				
Heavy	Very few	4+ Colorless hyphae with no associated spores, ID unknown. (hyphae) 3+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 2627127-1: Tape sample 20910001-TL57KT				
Heavy	Very few	< 1+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Minimal mold growth

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



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20910001
 EML ID: 591203

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 10-15-2009

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

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20910001

Date of Sampling: 10-14-2009
 Date of Receipt: 10-14-2009
 Date of Report: 10-15-2009

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‡: 2620885-1: Tape sample 20910001-TL21LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2620886-1: Tape sample 20910001-TL22LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2620887-1: Tape sample 20910001-TL23LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2620888-1: Tape sample 20910001-TL24LS				
Moderate	Very few	None	None	Normal trapping

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



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20910001
 EML ID: 591203

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 10-15-2009

Service SOPs: Spore trap analysis (I100000)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20910001

Date of Sampling: 10-14-2009
 Date of Receipt: 10-14-2009
 Date of Report: 10-15-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20910001-TM21OUTLS		20910001-TM22LS		20910001-TM23LS	
Comments (see below)	None		None		None	
Lab ID-Version‡:	2620889-1		2620890-1		2620891-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	2	27				
Arthrinium						
Ascospores*	12	640				
Aureobasidium						
Basidiospores*	211	11,000	1	53		
Bipolaris/Drechslera group						
Botrytis						
Chaetomium			1	13		
Cladosporium	53	2,800			1	53
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora	1	13			1	13
Other colorless						
Penicillium/Aspergillus types†	15	800	3	160	2	110
Pithomyces						
Rusts*						
Smuts*, Periconia, Myxomycetes*			1	13		
Stachybotrys						
Stemphylium	6	80				
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	3+		3+		3+	
Hyphal fragments/m3	27		< 13		13	
Pollen/m3	13		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		16.000		240		170

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

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



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20910001
 EML ID: 591643

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 10-15-2009

Service SOPs: Spore trap analysis (I100000)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20910001

Date of Receipt: 10-15-2009
 Date of Report: 10-15-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20910001-TM31OUTKT		20910001-TM32KT		20910001-TM33KT		20910001-TM34KT		20910001-TM35KT	
Comments (see below)	A		B		A		B		A	
Lab ID-Version‡:	2622853-1		2622854-1		2622855-1		2622856-1		2622857-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	2	27								
Arthrinium										
Ascospores*	9	480								
Aureobasidium										
Basidiospores*	146	81,000			1	53				
Bipolaris/Drechslera group										
Botrytis	1	13								
Chaetomium	1	13								
Cladosporium	131	7,000								
Curvularia										
Epicoccum										
Fusarium										
Myrothecium										
Nigrospora	6	80								
Other colorless										
Penicillium/Aspergillus types†	7	370								
Pithomyces										
Rusts*	4	53								
Smuts*, Periconia, Myxomycetes*	1	13							1	13
Stachybotrys										
Stemphylium	2	27								
Torula										
Ulocladium										
Zygomycetes										
Background debris (1-4+)††	3+		3+		2+		3+		2+	
Hyphal fragments/m3	< 13		< 13		< 13		< 13		13	
Pollen/m3	40		< 13		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		< 1+		< 1+		1+		< 1+	
Sample volume (liters)	75		75		75		75		75	
§ TOTAL SPORES/m3		89.000		< 13		53		< 13		13

Comments: A) Analysis of replicate sample is delayed. B) No spores detected. Analysis of replicate sample is delayed.

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

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



EMLab P&K

Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20910001
 EML ID: 592254

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 10-16-2009 and 10-19-2009

Spore trap analysis: 10-16-2009 and 10-19-2009

Project SOPs: Direct microscopic exam (Qualitative) (I100005), Spore trap analysis (I100000)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wesley Frey
Re: 20910001

Date of Receipt: 10-16-2009
Date of Report: 10-19-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20910001-TM41OUTKT		20910001-TM42KT		20910001-TM43KT		20910001-TM44KT	
Comments (see below)	None		A		None		A	
Lab ID-Version‡:	2625800-1		2625801-1		2625802-2		2625803-2	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	7	93						
Arthrinium								
Ascospores*	10	530						
Aureobasidium								
Basidiospores*	115	64,000			3	160		
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	127	6,800			1	53		
Curvularia								
Epicoccum	3	40						
Fusarium								
Myrothecium								
Nigrospora	2	27						
Other colorless								
Penicillium/Aspergillus types†	3	160			3	160		
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*	3	40						
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		3+		2+	
Hyphal fragments/m3	27		< 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		72,000		< 13		370		< 13

Comments: A) No spores detected.

* 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.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.
TestAmerica Environmental Microbiology Laboratory, Inc.

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20910001

Date of Receipt: 10-16-2009
 Date of Report: 10-19-2009

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‡: 2625796-1: Tape sample 20910001-TL43KT				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2625797-1: Tape sample 20910001-TL44KT				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2625798-2: Tape sample 20910001-TL45KT				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2625799-2: Tape sample 20910001-TL46KT				
Light	Very few	None	None	Normal trapping

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



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20910001
 EML ID: 592590

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 10-19-2009

Service SOPs: Spore trap analysis (I100000)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wesley Frey
Re: 20910001

Date of Sampling: 10-19-2009
Date of Receipt: 10-19-2009
Date of Report: 10-19-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20910001-TM71OUTKT		20910001-TM72KT		20910001-TM73KT		20910001-TM74KT	
Comments (see below)	None		None		A		None	
Lab ID-Version‡:	2627138-1		2627139-1		2627140-1		2627141-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*	19	1,000						
Aureobasidium								
Basidiospores*	120	6,400						
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	206	11,000	1	53	3	40	1	53
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other colorless								
Penicillium/Aspergillus types†	23	1,200					2	110
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*	2	27	1	13				
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		20,000		67		40		160

Comments: A) The 3 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 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" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20910001
 EML ID: 592590

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 10-19-2009

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

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. Wesley Frey
 Re: 20910001

Date of Sampling: 10-19-2009
 Date of Receipt: 10-19-2009
 Date of Report: 10-19-2009

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‡: 2627132-1: Tape sample 20910001-TL81KT				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2627133-1: Tape sample 20910001-TL82KT				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2627134-1: Tape sample 20910001-TL83KT				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2627135-1: Tape sample 20910001-TL84KT				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2627136-1: Tape sample 20910001-TL85KT				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2627137-1: Tape sample 20910001-TL86KT				
Light	Very few	None	None	Normal trapping

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



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20910001
 EML ID: 593811

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 10-22-2009

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

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank corrections of results is not a standard practice. The results relate only to the items tested.

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Document Number: 200091 - Revision Number: 5

Client: Hygiene Technologies International, Inc.:
 Northern California
 C/O: Mr. Wesley Frey
 Re: 20910001

Date of Receipt: 10-21-2009
 Date of Report: 10-22-2009

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‡: 2632828-1: Tape sample 20910001-TL91KT				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2632829-1: Tape sample 20910001-TL92KT				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2632830-1: Tape sample 20910001-TL93KT				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2632831-1: Tape sample 20910001-TL94KT				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2632832-1: Tape sample 20910001-TL95KT				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2632833-1: Tape sample 20910001-TL96KT				
Light	Very few	None	None	Normal trapping

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



Report for:

Mr. Wesley Frey
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 20910001
 EML ID: 593811

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 10-22-2009

Service SOPs: Spore trap analysis (I100000)

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. Wesley Frey
Re: 20910001

Date of Receipt: 10-21-2009
Date of Report: 10-22-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20910001-TM91OUTKT		20910001-TM92KT		20910001-TM93KT		20910001-TM94KT	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	2632834-1		2632835-1		2632836-1		2632837-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	6	80						
Arthrinium								
Ascospores*	46	2,500						
Aureobasidium								
Basidiospores*	580	31,000	1	53	1	53		
Bipolaris/Drechslera group	2	27						
Botrytis								
Chaetomium								
Cladosporium	157	8,400					1	53
Curvularia								
Epicoccum	2	27					1	13
Fusarium								
Myrothecium								
Nigrospora	2	27						
Other colorless								
Penicillium/Aspergillus types†	27	1,400	2	110				
Pithomyces								
Rusts*	1	13						
Smuts*, Periconia, Myxomycetes*	8	110						
Stachybotrys								
Stemphylium	2	27						
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	27		< 13		< 13		< 13	
Pollen/m3	27		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		< 1+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		44,000		160		53		67

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" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.



HYGIENETECH

Hygiene Technologies International, Inc.



000592590

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: 20910001 Date Submitted: 10/19/09

Project Contact: Wes Fley Turnaround Required: SAME DAY

Lab Destination: EM Lab Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20910001 TM710VKT	75L	AirOcell	Spore Trap
TM72KT	↓	↓	↓
TM73KT	↓	↓	↓
TM74KT	↓	↓	↓
TL81KT	N/A	TAPE	Direct Exam
TL82KT	↓	↓	↓
TL83KT	↓	↓	↓
TL84KT	↓	↓	↓
TL85KT	↓	↓	↓
✓ TL86KT	✓	✓	✓

Special Instructions: _____

1. Sampled by: Kenneth Lee 10/19/09 9:30
2. Relinquished by: _____
3. Relinquished by: _____

Received by: [Signature] 10/19/09 10:30 AM
Received by: _____
Received by: _____

Please include signature, date, and time

Lab Use Only: _____



HYGIENETECH



000593811

Hygiene Technologies International, Inc.

3625 Del A
Torrance, California 90503-1643
(310) 370-8370
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20910001 Date Submitted: 10/21/09
 Project Contact: Wes Frey Turnaround Required: SAME DAY
 Lab Destination: EMLab Lab Contact: Sample Return

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20910001TM91a/KT	75L	Air/Ocell	Spore Trap
TM92KT	↓	↓	↓
TM93KT	↓	↓	↓
TM94KT	↓	↓	↓
TL91KT	N/A	TAPE	Direct Exam
TL92KT	↓	↓	↓
TL93KT	↓	↓	↓
TL94KT	↓	↓	↓
TL95KT	↓	↓	↓
↓ TL96KT	↓	↓	↓

Special Instructions: _____

1. Sampled by: Kenneth Tse 10/21/09 14:30 Received by: Brandon Ikeda 10/21/09 @ 16:45
 2. Relinquished by: _____ Received by: _____
 3. Relinquished by: _____ Received by: _____
 Please include signature, date, and time

Lab Use Only: