



HYGIENETECH

Hygiene Technologies International, Inc.

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July 23, 2010

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

Document No. 20909001.2

Attention: David Gau

Regarding: Fungal Growth Abatement Monitoring and Fungal Growth Abatement Clearance Surveys
14th Floor

Dear Mr. Gau:

On various dates in September of 2009, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) monitored fungal growth remediation activities and conducted fungal growth remediation clearance surveys on the 14th 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 14th 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 either Zefon brand Bio-Tape™ surface samplers or 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 20909001-12 through 20909001-14.

Fungal growth remediation occurred in various areas of the 14th Floor including the Men's and Women's Restrooms, the Janitor Closet, Mail Center 14B, the western perimeter wall south of northern punch-out window area and adjacent to Column N23, and the southeastern corner from Column L17 to Column J19. During the remediation activities, HygieneTech observed and documented the removal of fungal growth-contaminated building materials and decontamination of the 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 14th Floor fungal growth abatement activities appear in the enclosed Table 20909001-12.

The surface assessment data collected during the abatement activities indicated fungal growth involving *Alternaria*, *Aspergillus*, *Chaetomium*, *Cladosporium*, colorless spores typical of *Penicillium* and *Aspergillus* species, *Penicillium*, *Stachybotrys*, and/or *Ulocladium* on various surfaces within the above mentioned abatement enclosures. Note that additional building materials removal occurred in the southwestern corner southern and western punch-out windows, the northwestern corner northern and western punch-out windows, and the northeastern corner northern and eastern punch-out windows, however no evidence of fungal growth was observed at those locations.

Following the completion of the fungal growth abatement 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 abatement areas. Note, however, that some of the fungal growth affected gypsum board materials in the Men's Restroom, Women's Restroom, and Mail Center 14B containments were not removed during the abatement 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 there 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 mostly common fungi including ascospores, basidiospores, *Bipolaris/Drechslera* group, *Cladosporium*, *Chaetomium*, colorless spores typical of *Penicillium* and *Aspergillus* species, *Gliomastix*-like, other brown, rusts, smuts, *Stachybotrys*, and/or *Ulocladium*. For the most part, the spore types detected indoors generally matched those found outdoors, and the overall spore counts within the containments were well below the overall datum recorded outdoors. Note, however, that above-background levels of colorless spores typical of *Penicillium* and *Aspergillus* species were found on September 14 and again on September 16 within the Janitor Closet/Mail Center 14B containment. Additionally, low but detectable levels of *Stachybotrys* were found on September 18 within the southeastern corner saw tooth containment. Upon additional remediation and/or detail cleaning within those affected containments, clearance surveys were subsequently performed in the Janitor Closet/Mail Center 14B on September 18 and the southeastern corner saw tooth containment on September 22. All such data met the clearance criteria established for the project.

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 forty one percent of the outdoor datum on any of the survey dates. Similarly, as shown in Table 20909001-14, 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 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 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 14th 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 K. Hsi", is written over a horizontal line.

Kenny K. Hsi, CIH
Technical Director

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20909001-12
SURFACE FUNGAL GROWTH POTENTIALS
ABATEMENT MONITORING
14TH FLOOR
SACRAMENTO, CALIFORNIA
SEPTEMBER, 2009

Page 1

DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS AND/OR DESCRIPTION	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
09-08-09	20909001-TL101AR	Men's Restroom; within containment; eastern partition wall; about two feet north of southern partition wall; approximately one foot above floor; from vertical surface of gypsum board	Moderate	Very few	<1+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores) <1+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Minimal fungal growth
09-08-09	20909001-TL102AR	Men's Restroom; within containment; eastern partition wall; about two feet south of northern partition wall; approximately one foot above floor; from vertical surface of gypsum board	Moderate	Very few	None	None	Background
09-08-09	20909001-TL103AR	Women's Restroom; within containment; western partition wall; about two feet north of southern partition wall; approximately three feet above floor; from vertical surface of gypsum board	Moderate	Very few	None	None	Background
09-08-09	20909001-TL104AR	Women's Restroom; within containment; southern sink cabinetry interior along western partition wall; about center; from horizontal surface of particle board	Very heavy	Very few	None	Heavy amounts of dark amorphous particles detected, not biological in appearance	Background
09-09-09	20909001-TL105AR	Men's Restroom; within containment; eastern partition wall cavity; about three feet south of northern partition wall; approximately one foot above floor; from vertical surface of elevator shaft western partition wall gypsum board	Heavy	Very few	4+ <i>Alternaria</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).

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



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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS AND/OR DESCRIPTION	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
09-09-09	20909001-TL106AR	Men's Restroom; within containment; southwestern corner ceiling; from horizontal surface of previously removed gypsum board	Moderate	Very few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores) 3+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 1+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Fungal growth
09-09-09	20909001-TL107AR	Janitor Closet; within containment; northern partition wall contiguous with Mail Center 14B; about center; approximately six inches above floor; from vertical surface of gypsum board	Light	Very Few	4+ <i>Aspergillus</i> species (spores, hyphae, conidiophores)	None	Fungal growth
09-09-09	20909001-TL11LS	Women's Restroom; within containment; western partition wall cavity; about two feet south of northern partition wall; approximately 12 inches above floor; from vertical surface of elevator shaft eastern partition wall gypsum board	Very heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Fungal growth
09-09-09	20909001-TL12LS	Women's Restroom; within containment; western partition wall; about three feet north of southern partition wall; approximately four feet above floor; from vertical surface and reverse side of gypsum board	Very 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).

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09-09-09	20909001-TL13LS	Women's Restroom; within containment; southern towel dispenser area; southern partition wall; about eighteen inches east of western partition wall; approximately one foot above floor; from vertical surface of gypsum board	Heavy	Very few	None	None	Background
09-10-09	20909001-TL108AR	Mail Center 14B; within containment; eastern partition wall cavity; about one foot north of southern partition wall; approximately one foot above floor; from vertical surface of the reverse side of Janitor Closet western partition wall gypsum board	Moderate	Very Few	4+ <i>Aspergillus</i> species (spores, hyphae, conidiophores)	None	Fungal growth
09-10-09	20909001-TL109AR	Mail Center 14B; within containment; southern partition wall contiguous with Janitor Closet; about three feet west of eastern partition wall; approximately six inches above floor; from vertical surface of gypsum board	Moderate	Very Few	4+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 3+ <i>Penicillium</i> species (spores, hyphae, conidiophores) 2+ <i>Chaetomium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
09-10-09	20909001-TL111AR	Janitor Closet; within containment; northern partition wall cavity; about center; approximately six inches above floor; from vertical surface of the reverse side of second layer of Mail Center 14B southern partition wall gypsum board	Moderate	Very Few	4+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 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 AND/OR DESCRIPTION	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
09-11-10	20909001-TL112AR	Northwestern corner; northern punch-out window area; within containment; western perimeter wall; about six feet south of northern perimeter wall; approximately two inches above floor; from vertical surface of the reverse side of gypsum board	Heavy	Very few	None	Many colorless spores typical of <i>Penicillium</i> / <i>Aspergillus</i> detected	Possible settling from fungal growth in vicinity
09-11-10	20909001-TL113AR	Northwestern corner; northern punch-out window area; within containment; western perimeter wall; about five feet south of northern perimeter wall; approximately one inch above floor; from vertical surface of gypsum board	Heavy	Very few	2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
09-14-09	20909001-TL41LS	Southeastern corner; within saw tooth containment; southern punch-out window area; windowsill at western end; from reverse side of previously removed gypsum board	Heavy	Very Few	4+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 1+ Colorless spores typical of <i>Penicillium</i> / <i>Aspergillus</i> (spores, hyphae, conidiophores)	None	Fungal growth
09-14-09	20909001-TL42LS	Southeastern corner; within saw tooth containment; eastern punch-out window area; windowsill at southern end; from reverse side of previously removed gypsum board	Moderate	Very Few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores) 2+ <i>Chaetomium</i> species (ascospores, ascumata, hyphae) 1+ <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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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS AND/OR DESCRIPTION	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
09-14-09	20909001-TL43LS	Southeastern corner; within saw tooth containment; eastern middle window area; eastern perimeter wall; about center; approximately two feet above floor; from reverse side of previously removed gypsum board	Very Heavy	Very Few	None	Very few <i>Chaetomium</i> spores detected. A few <i>Stachybotrys</i> spores detected	Possible settling from fungal growth in vicinity
09-14-09	20909001-TL44LS	Southeastern corner; within saw tooth containment; Cubicle 38 area; southern perimeter wall; approximately one inch above floor; from vertical surface of gypsum board	Heavy	Very Few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	None	Fungal growth
09-14-09	20909001-TL45LS	Southeastern corner; within saw tooth containment; eastern middle window area; eastern perimeter wall; about center; approximately one inch above floor; from vertical surface of gypsum board	Very Heavy	Very Few	None	None	Background
09-14-09	20909001-TL46LS	Southeastern corner; within saw tooth containment; southern middle window area; southern perimeter wall; about center; approximately one inch above floor; from vertical surface of gypsum board	Very Heavy	Very Few	3+ <i>Chaetomium</i> species (ascospores, ascomata, hyphae)	None	Fungal growth
09-14-09	20909001-B01LS	Southeastern corner; within saw tooth containment; Cubicle 39 area; southern perimeter wall; loose piece of previously removed gypsum board paper	Drywall paper	Very Few	3+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores) <1+ <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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09-16-09	20909001-B02LS	Southeastern corner; within saw tooth containment; Column L17; northern partition wall; piece of previously removed gypsum board paper	Drywall paper	Very Few	None	None	Background
09-17-09	20909001-TL555LS	Mail Center 14B; within containment; southeastern corner; southern partition wall; about two feet east of western end; approximately one inch above floor; from vertical surface of gypsum board	Very Heavy	Very Few	3+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 1+ <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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TABLE 20909001-13
AIRBORNE TOTAL FUNGI RESULTS
CLEARANCE
14TH FLOOR
SACRAMENTO, CALIFORNIA
SEPTEMBER, 2009

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

SAMPLE NUMBER	20909001- TM21OUTLS	20909001- TM22LS	20909001- TM23LS	20909001- TM24LS
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 20 feet east of building; approximately five feet above ground/Normal outdoor activities	Southwestern corner; western punchout window area; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Southwestern corner; southern punchout window area ;within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Northeastern corner; northern punchout window area; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only
DATE	09-11-09	09-11-09	09-11-09	09-11-09
START/STOP	13:26:00/13:31:00	14:58:00/15:03:00	15:14:00/15:19:00	15:49:00/15:54:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	93			
Ascospores	750			
Basidiospores	590			
Bipolaris/Drechslera group				
Botrytis				
Chaetomium	80			
Cladosporium	9,000			
Curvularia	13			
Epicoccum	13			
Nigrospora	210			
Oidium				
Other brown				
Penicillium/Aspergillus types	1,600	53		53
Pithomyces				
Rusts	120			
Smuts, Periconia, Myxomycetes	510			
Stachybotrys				
Stemphylium				
Torula	27			
Ulocladium	13			
Hyphal fragments	450	<13	<13	<13
Background debris*	4+	2+	2+	2+
TOTAL**	13,000	53	<13	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+.

**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.

*** Data did not meet clearance criteria (subsequently passed on 09-18-09-TM119AR & TM 120AR)

**** Data did not meet clearance criteria (subsequently passed on 09-22-09- TM129AR, TM130AR & TM131AR)

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SEPTEMBER, 2009

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

SAMPLE NUMBER	20909001- TM25OUTLS	20909001- TM101OUTAR	20909001- TM102AR	20909001- TM103AR
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 20 feet east of building; approximately five feet above ground/Normal outdoor activities	Outdoors; about 25 feet east of building; approximately five feet above floor/Normal outdoor activities	Janitor Closet; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Mail Center 14B; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only
DATE	09-11-09	09-14-09	09-14-09	09-14-09
START/STOP	16:04:00/16:09:00	10:37:00/10:43:00	11:58:00/12:03:00	12:04:00/12:09:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minute
Alternaria	80	93		
Ascospores	110	3,600		
Basidiospores	370	14,000	160	53
Bipolaris/Drechslera group				
Botrytis				
Chaetomium	110			
Cladosporium	2,600	1,300	110	110
Curvularia				
Epicoccum	13			
Nigrospora	53			
Oidium		40		
Other brown				
Penicillium/Aspergillus types	680	200	430	110
Pithomyces				
Rusts	110		13	
Smuts, Periconia, Myxomycetes	240	13	27	
Stachybotrys				
Stemphylium	27			
Torula	13	13		
Ulocladium			13	
Hyphal fragments	170	13	<13	13
Background debris*	4+	3+	3+	3+
TOTAL**	4,400	20,000	750***	270

*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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*** Data did not meet clearance criteria (subsequently passed on 09-18-09-TM119AR & TM 120AR)

**** Data did not meet clearance criteria (subsequently passed on 09-22-09- TM129AR, TM130AR & TM131AR)

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

SAMPLE NUMBER	20909001-TM104AR	20909001-TM105AR	20909001-TM106OUTAR	20909001-TM107OUTAR
SAMPLING LOCATION/ACTIVITIES	Women's Restroom; 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	Outdoors; about 25 feet east of building; approximately five feet above floor/Normal outdoor activities	Outdoors; about 25 feet east of building; approximately five feet above ground/Normal outdoor activities
DATE	09-14-09	09-14-09	09-14-09	09-15-09
START/STOP	12:14:00/12:19:00	12:23:00/12:28:00	12:37:00/12:42:00	10:05:00/10:10:00
SAMPLE TIME	5 minute	5 minutes	5 minutes	5 minutes
Alternaria			13	13
Ascospores			2,300	1,900
Basidiospores		53	15,000	7,700
Bipolaris/Drechslera group				
Botrytis				
Chaetomium			13	40
Cladosporium		53	1,600	2,100
Curvularia				
Epicoccum				
Nigrospora				67
Oidium				
Other brown				
Penicillium/Aspergillus types	53	53	93	1,500
Pithomyces				
Rusts				
Smuts, Periconia, Myxomycetes	27	13	150	280
Stachybotrys				
Stemphylium			27	
Torula				
Ulocladium				
Hyphal fragments	27	53	<13	110
Background debris*	2+	2+	3+	3+
TOTAL**	80	170	19,000	14,000

*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+.

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*** Data did not meet clearance criteria (subsequently passed on 09-18-09-TM119AR & TM 120AR)

**** Data did not meet clearance criteria (subsequently passed on 09-22-09- TM129AR, TM130AR & TM131AR)

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

SAMPLE NUMBER	20909001-TM108AR	20909001-TM109AR	20909001-TM110AR	20909001-TM111OUTAR
SAMPLING LOCATION/ACTIVITIES	Northwestern corner; northern punch out window area; within containment; about center; approximately five feet above floor/ Post abatement; sampling activities only	Northwestern corner ; western punch out window area; within containment; about center; approximately five feet above floor/ Post abatement; sampling activities only	Northeastern corner; eastern punch out window area; 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	09-15-09	09-15-09	09-15-09	09-15-09
START/STOP	10:25:00/10:30:00	10:41:00/10:46:00	11:02:00/11:07:00	11:10:00/11:15:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				13
Ascospores	53			1,700
Basidiospores	210		53	8,400
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53	53		4,400
Curvularia				
Epicoccum				
Nigrospora				53
Oidium				
Other brown				
Penicillium/Aspergillus types	160			160
Pithomyces				
Rusts		13		
Smuts, Periconia, Myxomycetes		27		160
Stachybotrys				93
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	40	<13	<13	120
Background debris*	2+	2+	2+	2+
TOTAL**	480	93	53	15,000

*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.

*** Data did not meet clearance criteria (subsequently passed on 09-18-09-TM119AR & TM 120AR)

**** Data did not meet clearance criteria (subsequently passed on 09-22-09- TM129AR, TM130AR & TM131AR)

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20909001-13
AIRBORNE TOTAL FUNGI RESULTS
CLEARANCE
14TH FLOOR
SACRAMENTO, CALIFORNIA
SEPTEMBER, 2009

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

SAMPLE NUMBER	20909001- TM112OUTAR	20909001- TM113AR	20909001- TM114AR	20909001- TM118OUTAR
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 25 feet east of building; approximately five feet above ground/Normal outdoor activities	Mail Center 14B; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Janitor Closet; 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	09-16-09	09-16-09	09-16-09	09-18-09
START/STOP	13:25:00/13:30:00	13:40:00/13:45:00	13:47:00/13:52:00	13:21:00/13:26:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	130			40
Ascospores	110			53
Basidiospores	3,600			3,000
Bipolaris/Drechslera group				13
Botrytis				
Chaetomium	13			53
Cladosporium	4,900	150	320	5,700
Curvularia				13
Epicoccum				
Gliomastix-like				
Nigrospora	40			
Oidium				13
Other brown				
Penicillium/Aspergillus types	590	3,800	1,300	750
Pithomyces				13
Rusts				40
Smuts, Periconia, Myxomycetes	110			230
Stachybotrys				
Stemphylium	13			
Torula	93			
Ulocladium				
Hyphal fragments	170	<13	<13	160
Background debris*	4+	2+	3+	3+
TOTAL**	9,600	3,900***	1,600***	9,900

*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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**** Data did not meet clearance criteria (subsequently passed on 09-22-09- TM129AR, TM130AR & TM131AR)

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20909001-13
AIRBORNE TOTAL FUNGI RESULTS
CLEARANCE
14TH FLOOR
SACRAMENTO, CALIFORNIA
SEPTEMBER, 2009

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

SAMPLE NUMBER	20909001-TM119AR	20909001-TM120AR	20909001-TM121AR	20909001-TM122AR
SAMPLING LOCATION/ACTIVITIES	Mail Center 14B; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Janitor Closet; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Southeastern corner; saw tooth containment; about ten feet east of Column J19; about center; approximately five feet above floor/Post abatement; sampling activities only	Southeastern corner; saw tooth containment; between Column K17 & K18; about center; approximately five feet above floor/Post abatement; sampling activities only
DATE	09-18-09	09-18-09	09-18-09	09-18-09
START/STOP	13:34:00/13:39:00	13:45:00/13:50:00	14:02:00/14:07:00	14:09:00/14:14:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Ascospores				
Basidiospores	53			110
Bipolaris/Drechslera group				
Botrytis				
Chaetomium		27		
Cladosporium		160		
Curvularia				
Epicoccum				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types			53	
Pithomyces				
Rusts				
Smuts, Periconia, Myxomycetes				
Stachybotrys	13			
Stemphylium				
Torula				
Ulocladium		13		
Hyphal fragments	<13	13	<13	13
Background debris*	2+	3+	3+	2+
TOTAL **	67	200	53	110

*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.

*** Data did not meet clearance criteria (subsequently passed on 09-18-09-TM119AR & TM 120AR)

**** Data did not meet clearance criteria (subsequently passed on 09-22-09- TM129AR, TM130AR & TM131AR)

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20909001-13
AIRBORNE TOTAL FUNGI RESULTS
CLEARANCE
14TH FLOOR
SACRAMENTO, CALIFORNIA
SEPTEMBER, 2009

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

SAMPLE NUMBER	20909001-TM123AR	20909001-TM124OUTAR	20909001-TM128OUTAR	20909001-TM129AR
SAMPLING LOCATION/ACTIVITIES	Southeastern corner; saw tooth containment; about ten feet south of Column L17; 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	Outdoors; about 25 feet east of building; approximately five feet above ground/Normal outdoor activities	Southeastern corner; saw tooth containment; about ten feet south of Column L17; about center; approximately five feet above floor/Post abatement; sampling activities only
DATE	09-18-09	09-18-09	09-22-09	09-22-09
START/STOP	14:15:00/14:20:00	14:40:00/14:45:00	15:05:00/15:10:00	15:33:00/15:38:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria		53	110	
Ascospores		270	110	
Basidiospores	53	3,100	640	53
Bipolaris/Drechslera group				13
Botrytis		13	13	
Chaetomium		27	93	
Cladosporium		7,200	8,100	110
Curvularia		13	13	
Epicoccum			40	
Gliomastix-like				13
Nigrospora		40	370	
Oidium		120		
Other brown				27
Penicillium/Aspergillus types		960	1,800	53
Rusts		190		
Smuts, Periconia, Myxomycetes		350	130	13
Stachybotrys	13			
Stemphylium			40	
Torula		53	40	
Ulocladium				
Hyphal fragments	<13	120	210	13
Background debris*	2+	3+	4+	2+
TOTAL**	67****	12,000	12,000	280

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

**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.

*** Data did not meet clearance criteria (subsequently passed on 09-18-09-TM119AR & TM 120AR)

**** Data did not meet clearance criteria (subsequently passed on 09-22-09- TM129AR, TM130AR & TM131AR)

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

TABLE 20909001-13
AIRBORNE TOTAL FUNGI RESULTS
CLEARANCE
14TH FLOOR
SACRAMENTO, CALIFORNIA
SEPTEMBER, 2009

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

SAMPLE NUMBER	20909001-TM130AR	20909001-TM131AR		
SAMPLING LOCATION/ACTIVITIES	Southeastern corner; saw tooth containment; between Column K17 & K18; about center; approximately five feet above floor/Post abatement; sampling activities only	Southeastern corner; saw tooth containment; about ten feet east of Column J19; about center; approximately five feet above floor/Post abatement; sampling activities only	This column intentionally left blank	This column intentionally left blank
DATE	09-22-09	09-22-09		
START/STOP	15:39:00/15:44:00	15:45:00/15:50:00		
SAMPLE TIME	5 minutes	5 minutes		
Alternaria				
Ascospores				
Basidiospores		110		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53			
Epicoccum				
Gliomastix-like		13		
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types	160			
Rusts				
Smuts, Periconia, Myxomycetes				
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	<13		
Background debris*	1+	2+		
TOTAL**	210	120		

*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.

*** Data did not meet clearance criteria (subsequently passed on 09-18-09-TM119AR & TM 120AR)

**** Data did not meet clearance criteria (subsequently passed on 09-22-09- TM129AR, TM130AR & TM131AR)

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



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

**TABLE 20909001-14
SURFACE FUNGAL GROWTH POTENTIALS
CLEARANCE
14TH FLOOR
SACRAMENTO, CALIFORNIA
SEPTEMBER, 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
09-14-10	20909001-TL114AR	Janitor Closet; within containment; western partition wall cavity; about center; approximately one foot above floor; from vertical surface of metal stud	Light	Very few	None	None	Background
09-14-10	20909001-TL115AR	Janitor Closet; within containment; northern partition wall cavity contiguous with Mail center 14B; about center; from horizontal surface of metal stud rail	Light	Very few	None	None	Background
09-14-10	20909001-TL116AR	Women's Restroom; within containment; western partition wall cavity; about center; approximately one foot above floor; from vertical surface of metal stud	Light	Very few	None	None	Background
09-14-10	20909001-TL117AR	Women's Restroom; within containment; northern towel dispenser area; northern partition wall cavity; about center; from horizontal surface of metal stud rail	Light	Very few	None	None	Background
09-14-10	20909001-TL118AR	Men's Restroom; within containment; eastern partition wall cavity; about two feet south of northern partition wall cavity; 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 20909001-14
SURFACE FUNGAL GROWTH POTENTIALS
CLEARANCE
14TH FLOOR
SACRAMENTO, CALIFORNIA
SEPTEMBER, 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
09-14-10	20909001-TL119AR	Men's Restroom; within containment; walk-in cavity north of northern towel dispenser area; about one foot north of southern partition wall cavity; approximately four feet above floor; from vertical surface of gypsum board	Light	Very few	None	None	Background
09-15-09	20909001-TL120AR	Northwestern corner; within containment ; Column N23 area; western perimeter wall cavity; approximately two inches above floor; from vertical surface of metal stud	Light	Very few	None	None	Background
09-15-09	20909001-TL121AR	Northwestern corner; within containment; Column N23 area; western perimeter; about center; from horizontal surface of metal stud rail	Light	Very few	None	None	Background
09-16-09	20909001-TL122AR	Mail Center 14B; within containment; southern partition wall cavity contiguous with Janitor Closet; about center; approximately one foot above floor; from vertical surface of metal stud	Light	Very Few	None	None	Background
09-16-09	20909001-TL123AR	Janitor Closet; within containment; western partition wall cavity contiguous with Mail Center 14B; about center; approximately one foot 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 20909001-14
SURFACE FUNGAL GROWTH POTENTIALS
CLEARANCE
14TH FLOOR
SACRAMENTO, CALIFORNIA
SEPTEMBER, 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
09-18-09	20909001-TL124AR	Mail Center 14B; within containment; southern partition wall cavity contiguous with Janitor Closet; about three feet east of western end; approximately one foot above floor; from vertical surface of metal stud	Light	Very Few	None	None	Background
09-18-09	20909001-TL125AR	Janitor Closet; within containment; western partition wall cavity contiguous with Mail Center 14B; about center; approximately one foot above floor; from vertical surface of metal stud	Light	Very Few	None	None	Background
09-18-09	20909001-TL126AR	Southeastern corner; saw tooth containment; southern perimeter wall cavity; about 10 feet east of Column J19; approximately one foot above floor; from vertical surface of metal stud	Light	Very Few	None	None	Background
09-18-09	20909001-TL127AR	Southeastern corner; saw tooth containment; eastern punch-out window; windowsill; about center; from horizontal surface of metal	Light	Very Few	None	None	Background
09-18-09	20909001-TL128AR	Southeastern corner; saw tooth containment; eastern perimeter wall cavity; between Columns K17 and K18; about center; approximately one foot 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 20909001-14
SURFACE FUNGAL GROWTH POTENTIALS
CLEARANCE
14TH FLOOR
SACRAMENTO, CALIFORNIA
SEPTEMBER, 2009

Page 4

DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
09-18-09	20909001-TL129AR	Southeastern corner; saw tooth containment; southern punch-out window; windowsill; about center; from horizontal surface of metal	Light	Very Few	None	None	Background
09-18-09	20909001-TL130AR	Southeastern corner; saw tooth containment; eastern perimeter wall cavity; about 10 feet south of Column L17; approximately one foot 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+.



Report for:

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

Regarding: Project: 20909001
 EML ID: 579532

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 09-11-2009

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: 20909001

Date of Sampling: 09-08-2009
 Date of Receipt: 09-10-2009
 Date of Report: 09-11-2009

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‡: 2570007-1: Tape sample 20909001-TL101AR				
Moderate	Very few	< 1+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores) < 1+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Minimal mold growth
Lab ID-Version: 2570008-1: Tape sample 20909001-TL102AR				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2570009-1: Tape sample 20909001-TL103AR				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2570010-1: Tape sample 20909001-TL104AR				
Very Heavy	Very few	None	Heavy amounts of dark amorphous particles detected, not biological in appearance.	Normal trapping
Lab ID-Version: 2570011-1: Tape sample 20909001-TL105AR				
Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2570012-1: Tape sample 20909001-TL106AR				
Moderate	Very few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores) 3+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 1+ <i>Alternaria</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‡: 2570013-1: Tape sample 20909001-TL107AR				
Light	Very few	4+ <i>Aspergillus</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: 20909001
EML ID: 579528

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 09-11-2009

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: 20909001

Date of Sampling: 09-09-2009
 Date of Receipt: 09-10-2009
 Date of Report: 09-11-2009

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‡: 2569999-1: Tape sample 20909001-TL11LS				
Very Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2570000-1: Tape sample 20909001-TL12LS				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 2570001-1: Tape sample 20909001-TL13LS				
Heavy	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: 20909001
 EML ID: 579950

Approved by:

Lab Manager
Dr. Kamashwaran Ramanathan

Dates of Analysis:

Direct microscopic exam (Qualitative): 09-14-2009

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: 20909001

Date of Sampling: 09-10-2009
 Date of Receipt: 09-11-2009
 Date of Report: 09-14-2009

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‡: 2572478-1: Tape sample 20909001-TL108AR				
Moderate	Very few	4+ <i>Aspergillus</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2572479-1: Tape sample 20909001-TL109AR				
Moderate	Very few	4+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 3+ <i>Penicillium</i> species (spores, hyphae, conidiophores) 2+ <i>Chaetomium</i> species (ascospores, ascomata, hyphae)	None	Mold growth
Lab ID-Version: 2572480-1: Tape sample 20909001-TL111AR				
Moderate	Very few	4+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 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: 20909001
 EML ID: 580346

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 09-14-2009

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: 20909001

Date of Sampling: 09-11-2009
 Date of Receipt: 09-11-2009
 Date of Report: 09-14-2009

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‡: 2573702-1: Tape sample 20909001-TL112AR				
Heavy	Very few	None	Many colorless spores typical of <i>Penicillium/Aspergillus</i> detected.	Mold growth in vicinity?
Lab ID-Version: 2573703-1: Tape sample 20909001-TL113AR				
Heavy	Very few	2+ <i>Cladosporium</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: 20909001
EML ID: 580694

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 09-15-2009

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: 20909001

Date of Receipt: 09-14-2009
Date of Report: 09-15-2009

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‡: 2575125-1: Tape sample 20909001-TL41LS				
Heavy	Very few	4+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) 1+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	None	Mold growth
Lab ID-Version: 2575126-1: Tape sample 20909001-TL42LS				
Moderate	Very few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores) 2+ <i>Chaetomium</i> species (ascospores, ascomata, hyphae) 1+ <i>Ulocladium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2575127-1: Tape sample 20909001-TL43LS				
Very Heavy	Very few	None	Very few <i>Chaetomium</i> spores detected. A few <i>Stachybotrys</i> spores detected.	Mold growth in vicinity?
Lab ID-Version: 2575128-1: Tape sample 20909001-TL44LS				
Heavy	Very few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2575129-1: Tape sample 20909001-TL45LS				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 2575130-1: Tape sample 20909001-TL46LS				
Very Heavy	Very few	3+ <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‡: 2575124-1: Bulk sample 20909001-B01LS				
Drywall paper	Very few	3+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores) < 1+ <i>Ulocladium</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: 20909001
 EML ID: 581731

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 09-17-2009

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: 20909001

Date of Receipt: 09-16-2009
Date of Report: 09-17-2009

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‡: 2579577-1: Bulk sample 20909001-B02LS				
Drywall paper	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: 20909001
 EML ID: 582242

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 09-21-2009

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: 20909001

Date of Receipt: 09-18-2009
 Date of Report: 09-21-2009

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‡: 2581544-1: Tape sample 20909001-TL555LS				
Very Heavy	Very few	3+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 1+ <i>Ulocladium</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: 20909001
 EML ID: 580343

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 09-14-2009

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: 20909001

Date of Sampling: 09-11-2009
Date of Receipt: 09-11-2009
Date of Report: 09-14-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20909001-TM21OUTLS		20909001-TM22LS		20909001-TM23LS		20909001-TM24LS		20909001-TM25OUTLS	
Comments (see below)	A		None		B		None		C	
Lab ID-Version‡:	2573682-1		2573683-1		2573684-1		2573685-1		2573686-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	7	93							6	80
Arthrinium										
Ascospores*	14	750							2	110
Aureobasidium										
Basidiospores*	11	590							7	370
Bipolaris/Drechslera group										
Botrytis										
Chaetomium	6	80							8	110
Cladosporium	192	9,000							49	2,600
Curvularia	1	13								
Epicoccum	1	13							1	13
Myrothecium										
Nigrospora	16	210							4	53
Penicillium/Aspergillus types†	30	1,600	1	53			1	53	24	680
Pithomyces										
Rusts*	9	120							8	110
Smuts*, Periconia, Myxomycetes*	38	510							18	240
Stachybotrys										
Stemphylium									2	27
Torula	2	27							1	13
Ulocladium	1	13								
Zygomycetes										
Background debris (1-4+)††	4+		2+		2+		2+		4+	
Hyphal fragments/m3	450		< 13		< 13		< 13		170	
Pollen/m3	80		< 13		< 13		< 13		93	
Skin cells (1-4+)	< 1+		1+		< 1+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75		75	
§ TOTAL SPORES/m3		13,000		53		< 13		53		4,400

Comments: A) 30 of the raw count *Cladosporium* spores were present as a single clump. B) No spores detected. C) 15 of the raw count *Penicillium/Aspergillus* type 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" 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: 20909001
 EML ID: 580692

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 09-15-2009

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: 20909001

Date of Receipt: 09-14-2009
 Date of Report: 09-15-2009

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‡: 2575111-1: Tape sample 20909001-TL114AR				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2575112-1: Tape sample 20909001-TL115AR				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2575113-1: Tape sample 20909001-TL116AR				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2575114-1: Tape sample 20909001-TL117AR				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2575115-1: Tape sample 20909001-TL118AR				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 2575116-1: Tape sample 20909001-TL119AR				
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: 20909001
 EML ID: 580692

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 09-15-2009

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: 20909001

Date of Receipt: 09-14-2009
Date of Report: 09-15-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20909001-TM101OUTAR		20909001-TM102AR		20909001-TM103AR		20909001-TM104AR	
Comments (see below)	A		None		None		None	
Lab ID-Version‡:	2575117-1		2575118-1		2575119-1		2575120-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	7	93						
Arthrinium								
Ascospores*	67	3,600						
Aureobasidium								
Basidiospores*	267	14,000	3	160	1	53		
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	25	1,300	2	110	2	110		
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium	3	40						
Penicillium/Aspergillus types†	15	200	8	430	2	110	1	53
Pithomyces								
Rusts*			1	13				
Smuts*, Periconia, Myxomycetes*	1	13	2	27			2	27
Stachybotrys								
Stemphylium								
Torula	1	13						
Ulocladium			1	13				
Background debris (1-4+)††	3+		3+		3+		2+	
Hyphal fragments/m3	13		< 13		13		27	
Pollen/m3	290		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		20,000		750		270		80

Comments: A) The 15 raw count *Penicillium/Aspergillus* type 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.

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wesley Frey
Re: 20909001

Date of Receipt: 09-14-2009
Date of Report: 09-15-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20909001-TM105AR		20909001-TM106OUTAR	
Comments (see below)	None		B	
Lab ID-Version‡:	2575121-1		2575122-1	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria			1	13
Arthrinium				
Ascospores*			44	2,300
Aureobasidium				
Basidiospores*	1	53	275	15,000
Bipolaris/Drechslera group				
Botrytis				
Chaetomium			1	13
Cladosporium	1	53	30	1,600
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium				
Other colorless				
Penicillium/Aspergillus types†	1	53	7	93
Pithomyces				
Rusts*				
Smuts*, Periconia, Myxomycetes*	1	13	11	150
Stachybotrys				
Stemphylium			2	27
Torula				
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	2+		3+	
Hyphal fragments/m3	53		< 13	
Pollen/m3	< 13		93	
Skin cells (1-4+)	1+		< 1+	
Sample volume (liters)	75		75	
§ TOTAL SPORES/m3		170		19,000

Comments:B) The 7 raw count *Penicillium/Aspergillus* type 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: 20909001
 EML ID: 581180

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 09-16-2009

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: 20909001

Date of Sampling: 09-15-2009
 Date of Receipt: 09-15-2009
 Date of Report: 09-16-2009

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‡: 2577204-1: Tape sample 20909001-TL120AR				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2577205-1: Tape sample 20909001-TL121AR				
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: 20909001
 EML ID: 581180

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 09-16-2009

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: 20909001

Date of Sampling: 09-15-2009
Date of Receipt: 09-15-2009
Date of Report: 09-16-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20909001-TM107OUTAR		20909001-TM108AR		20909001-TM109AR		20909001-TM110AR		20909001-TM111OUTAR	
Comments (see below)	None		None		None		None		None	
Lab ID-Version‡:	2577206-1		2577207-1		2577208-1		2577209-1		2577210-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13							1	13
Arthrinium										
Ascospores*	35	1,900	1	53					32	1,700
Aureobasidium										
Basidiospores*	145	7,700	4	210			1	53	158	8,400
Bipolaris/Drechslera group										
Botrytis										
Chaetomium	3	40								
Cladosporium	39	2,100	1	53	1	53			82	4,400
Curvularia										
Epicoccum										
Fusarium										
Myrothecium										
Nigrospora	5	67							4	53
Other colorless										
Penicillium/Aspergillus types†	28	1,500	3	160					3	160
Pithomyces										
Rusts*					1	13				
Smuts*, Periconia, Myxomycetes*	21	280			2	27			12	160
Stachybotrys									7	93
Stemphylium										
Torula										
Ulocladium										
Zygomycetes										
Background debris (1-4+)††	3+		2+		2+		2+		2+	
Hyphal fragments/m3	110		40		< 13		< 13		120	
Pollen/m3	93		13		< 13		< 13		40	
Skin cells (1-4+)	< 1+		1+		1+		1+		< 1+	
Sample volume (liters)	75		75		75		75		75	
§ TOTAL SPORES/m3		14,000		480		93		53		15,000

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: 20909001
 EML ID: 581733

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 09-17-2009

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: 20909001

Date of Sampling: 09-16-2009
 Date of Receipt: 09-16-2009
 Date of Report: 09-17-2009

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‡: 2579395-1: Tape sample 20909001-TL122AR				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2579396-1: Tape sample 20909001-TL123AR				
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: 20909001
 EML ID: 581733

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 09-17-2009

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: 20909001

Date of Sampling: 09-16-2009
Date of Receipt: 09-16-2009
Date of Report: 09-17-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20909001-TM112OUTAR		20909001-TM113AR		20909001-TM114AR	
Comments (see below)	None		A		B	
Lab ID-Version‡:	2579397-1		2579398-1		2579399-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	10	130				
Arthrinium						
Ascospores*	2	110				
Aureobasidium						
Basidiospores*	68	3,600				
Bipolaris/Drechslera group						
Botrytis						
Chaetomium	1	13				
Cladosporium	92	4,900	8	150	12	320
Curvularia						
Epicoccum						
Myrothecium						
Nigrospora	3	40				
Penicillium/Aspergillus types†	11	590	167	3,800	24	1,300
Pithomyces						
Rusts*						
Smuts*, Periconia, Myxomycetes*	8	110				
Stachybotrys						
Stemphylium	1	13				
Torula	7	93				
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	4+		2+		3+	
Hyphal fragments/m3	170		< 13		< 13	
Pollen/m3	210		< 13		< 13	
Skin cells (1-4+)	< 1+		< 1+		< 1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		9,600		3,900		1,600

Comments: A) 7 of the raw count *Cladosporium* spores were present as a single clump. 128 of the raw count *Penicillium/Aspergillus* type spores were present as a clump of 24 and a clump of 104 spores. B) 8 of the raw count *Cladosporium* spores were present as a single clump.

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

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

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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: 20909001
 EML ID: 582579

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 09-21-2009

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: 20909001

Date of Receipt: 09-18-2009
 Date of Report: 09-21-2009

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‡: 2583009-1: Tape sample 20909001-TL124AR				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2583010-1: Tape sample 20909001-TL125AR				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2583011-1: Tape sample 20909001-TL126AR				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2583012-1: Tape sample 20909001-TL127AR				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2583013-1: Tape sample 20909001-TL128AR				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2583014-1: Tape sample 20909001-TL129AR				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2583015-1: Tape sample 20909001-TL130AR				
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: 20909001
 EML ID: 582579

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 09-21-2009

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: 20909001

Date of Receipt: 09-18-2009
Date of Report: 09-21-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20909001-TM118OUTAR		20909001-TM119AR		20909001-TM120AR		20909001-TM121AR	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	2583016-1		2583017-1		2583018-1		2583019-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	3	40						
Arthrinium								
Ascospores*	1	53						
Aureobasidium								
Basidiospores*	57	3,000	1	53				
Bipolaris/Drechslera group	1	13						
Botrytis								
Chaetomium	4	53			2	27		
Cladosporium	106	5,700			3	160		
Curvularia	1	13						
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium	1	13						
Penicillium/Aspergillus types†	14	750					1	53
Pithomyces	1	13						
Rusts*	3	40						
Smuts*, Periconia, Myxomycetes*	17	230						
Stachybotrys			1	13				
Stemphylium								
Torula								
Ulocladium					1	13		
Background debris (1-4+)††	3+		2+		3+		3+	
Hyphal fragments/m3	160		< 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		9,900		67		200		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.

†† 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.

Client: Hygiene Technologies International, Inc.:
Northern California
C/O: Mr. Wesley Frey
Re: 20909001

Date of Receipt: 09-18-2009
Date of Report: 09-21-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20909001-TM122AR		20909001-TM123AR		20909001-TM124OUTAR	
Comments (see below)	None		None		None	
Lab ID-Version‡:	2583020-1		2583021-1		2583022-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria					4	53
Arthrinium						
Ascospores*					5	270
Aureobasidium						
Basidiospores*	2	110	1	53	59	3,100
Bipolaris/Drechslera group						
Botrytis					1	13
Chaetomium					2	27
Cladosporium					135	7,200
Curvularia					1	13
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora					3	40
Oidium					9	120
Other colorless						
Penicillium/Aspergillus types†					18	960
Pithomyces						
Rusts*					14	190
Smuts*, Periconia, Myxomycetes*					26	350
Stachybotrys			1	13		
Stemphylium						
Torula					4	53
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		3+	
Hyphal fragments/m3	13		< 13		120	
Pollen/m3	< 13		< 13		27	
Skin cells (1-4+)	< 1+		< 1+		< 1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		110		67		12,000

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.

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

Regarding: Project: 20909001
EML ID: 583649

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 09-23-2009

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, Mr. Alex Ramirez
Re: 20909001

Date of Receipt: 09-22-2009
Date of Report: 09-23-2009

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	20909001- TM128OUTAR		20909001- TM129AR		20909001- TM130AR		20909001- TM131AR	
Comments (see below)	A		None		None		None	
Lab ID-Version‡:	2587395-1		2587396-1		2587397-1		2587398-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	8	110						
Arthrinium								
Ascospores*	2	110						
Aureobasidium								
Basidiospores*	12	640	1	53			2	110
Bipolaris/Drechslera group			1	13				
Botrytis	1	13						
Chaetomium	7	93						
Cladosporium	235	8,100	2	110	1	53		
Curvularia	1	13						
Epicoccum	3	40						
Fusarium								
Gliomastix-like			1	13			1	13
Myrothecium								
Nigrospora	28	370						
Other brown			2	27				
Penicillium/Aspergillus types†	34	1,800	1	53	3	160		
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*	10	130	1	13				
Stachybotrys								
Stemphylium	3	40						
Torula	3	40						
Ulocladium								
Background debris (1-4+)††	4+		2+		1+		2+	
Hyphal fragments/m3	210		13		< 13		< 13	
Pollen/m3	130		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		12,000		280		210		120

Comments: A) 110 of the raw count *Cladosporium* spores were present as a single clump.

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

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

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



HYGIENETECH

Hygiene Technologies International, Inc.



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www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 20909001 Date Submitted: 9/14/09
 Project Contact: W. Frey Turnaround Required: Same Day
 Lab Destination: EmLab Lab Contact: _____

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20909001-TM10104AR	75L	Darocell	Spore Trap
-TM102AR	↓	↓	↓
-TM103AR	↓	↓	↓
-TM104AR	↓	↓	↓
-TM105AR	↓	↓	↓
-TM106AR	↓	↓	↓
-TL114AR	N/A	tape	Direct Exam
-TL115AR	↓	↓	↓
-TL116AR	↓	↓	↓
-TL117AR	↓	↓	↓
-TL118AR	↓	↓	↓
-TL119AR	↓	↓	↓

Special Instructions: _____

1. Sampled by: [Signature] 9/14/09 1500 Received by: _____
 2. Relinquished by: [Signature] 9/14/09 1700 Received by: Brandon Bedon 9/14/09 @ 1630
 3. Relinquished by: _____ Received by: _____
 Please include signature, date, and time

Lab Use Only:



HYGIENE TECH

Hygiene Technologies International, Inc.



000582579

3625 Del Amo
Torrance, California 90503-1843
(310) 370-8370
(310) 370-2474 FAX
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Request For Analysis

Project Number/Purchase Order: 20907001 Date Submitted: 9/18/09
 Project Contact: W Frey / wfreya@hygienetech.com Turnaround Required: Same Day
 Lab Destination: EmLab Lab Contact: _____

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
20907001-TM115AR	75L	Air-o-cell	<input checked="" type="checkbox"/> Spore Trap
-TM119AR	↓	↓	↓
-TM120AR	↓	↓	↓
-TM121AR	↓	↓	↓
-TM122AR	↓	↓	↓
-TM123AR	↓	↓	↓
-TM2404AR	↓	↓	↓
-TL24AR	N/A	tape	Direct Exam
-TL25AR	↓	↓	↓
-TL26AR	↓	↓	↓
-TL27AR	↓	↓	↓
↓ -TL28AR	↓	↓	↓
-TL29AR	↓	↓	↓
↓ -TL181AR	↓	↓	↓

Special Instructions: _____

1. Sampled by: [Signature] 9/18/09 1500 Received by: Brandon Duden 9/18/09 @ 1600
 2. Relinquished by: _____ Received by: _____
 3. Relinquished by: _____ Received by: _____
 Please include signature, date, and time

Lab Use Only:

