



HYGIENETECH

Hygiene Technologies International, Inc.

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

October 15, 2010

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

Document No. 21007001.2

Attention: David Gau

Regarding: Fungal Growth Remediation Monitoring and Clearance Surveys
8th Floor

Dear Mr. Gau:

On various dates in July and August of 2010, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) monitored fungal growth remediation activities and conducted fungal growth remediation clearance surveys on the 8th 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 8th Floor remediation enclosures and one or more additional air samples were collected at outdoor locations on specific survey dates for comparison purposes. Air samples were collected using a Zefon brand Bio-Pump™ equipped with Zefon Air-O-Cell™ cassettes. Surface samples were collected using cellophane tape segments that were affixed to microscope slides. All such samples were subsequently analyzed for fungi (including yeasts, molds, rusts, smuts, and mushrooms) by trained and experienced microbiologists at a laboratory accredited by the American Industrial Hygiene Association (AIHA) and that successfully participates in the AIHA Environmental Microbiology Proficiency Analytical Testing (EMPAT) Program. The analytical data with supporting and background information appear in the enclosed Tables 21007001-7 through 21007001-9.

Fungal growth remediation occurred in various areas of the 8th Floor including the Men's and Women's Restrooms, the Janitor Closet, Break Rooms 807 and 808, Storage Rooms 8A, 8B, and 8C, Copy Room 806, the northwestern hallway southern wall between Men's Restroom and northwestern stairwell entrance, the northwestern drinking fountain area, the eastern electrical closet area, the southeastern corner eastern and southern punch-out window areas, and in the Column J20 area. With the exception of the eastern electrical closet area where no building material removal took place, 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.. 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 8th Floor fungal growth remediation activities appear in the enclosed Table 21007001-7. Note that carpet flooring throughout the 8th Floor (with the exception of the elevator lobby) was removed under controlled negative air pressure containment conditions on the basis of surface fungal growth sample data collected by LCD from various carpeting materials.

The surface assessment data collected during the remediation activities indicated fungal growth involving *Alternaria*, *Aspergillus*, *Ceratocystis/Ophiostoma* group, *Chaetomium*, *Cladosporium*, colorless spores typical of *Penicillium* and *Aspergillus* species, *Epicoccum*, *Penicillium*, *Scopulariopsis*, *Stachybotrys*, and/or *Ulocladium* on various surfaces within the above mentioned remediation enclosures. Note that additional building materials removal occurred in the hallway outside of the freight elevator; however, there was no evidence of fungal growth found in that area.

Following the completion of the fungal growth remediation activities, attempts were made to clear the enclosed work areas. Prior to the clearance surveys, visual inspections were performed within each of the enclosed work areas. By observation, all gross quantities of fungal growth had been removed from the fungal growth remediation areas. Note, however, that some of the fungal growth affected gypsum board materials found in the Men's Restroom, Women's Restroom, the Janitor Closet, Storage 8A, 8B, 8C, the northwestern hallway southern partition wall between the Men's Restroom and northwestern stairwell entrance, and the northern portion of the eastern electrical closet area were not removed during the remediation activities based on DGS's consultation with the Fire Marshall regarding removal of fire rated walls and/or due to walls being considered inaccessible by DGS and/or 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, *Cladosporium*, *Chaetomium*, colorless spores typical of *Penicillium* and *Aspergillus* species, *Oidium*, rusts, and/or smuts. The spore types detected indoors matched those found outdoors and the overall spore counts within the containments were well below the overall data recorded outdoors. Note, however, that on the July 8, 2010 survey date, above-background levels of *Cladosporium* and colorless spores typical of *Penicillium* and *Aspergillus* species were found within Storage Room 8B, which was part of the southeastern core containment. Upon additional detail cleaning within that affected containment, a clearance survey was performed in the Storage Room 8B containment on July 12, the results of which 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 four percent of the outdoor datum on any of the survey dates. Similarly, as shown in Table 21007001-9, 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 8th 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.

Kenny K. Hsi, CIH
Technical Director

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A



CLIENT: State of California
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TABLE 21007001-7
SURFACE FUNGAL GROWTH POTENTIALS
ABATEMENT MONITORING
8TH FLOOR
SACRAMENTO, CALIFORNIA
JULY, 2010

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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
07-02-10	21007001-7 TL01SM	Freight elevator hallway; within containment; about two feet southeast of elevator door; flooring; from reverse side of previously removed carpet	Very heavy	Very few	None	None	Background
07-02-10	21007001-7 TL02SM	Freight elevator hallway; within containment; northern partition wall; about three feet east of elevator door; approximately one inch above floor; from vertical surface of gypsum board	Heavy	Very few	None	None	Background
07-02-10	21007001-7 TL03SM	Southeastern core containment; Break Room 808; eastern partition wall cavity; about two feet south of northern partition wall; approximately two inches above floor; from reverse side of eastern cubicle area western partition gypsum board wall	Light	Very few	4+ <i>Penicillium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-02-10	21007001-7 TL04SM	Southeastern core containment; Storage Room 8B; western partition wall cavity; about one foot south of northern partition wall; approximately one foot above floor; from vertical surface of second layer gypsum board	Heavy	Very few	3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 2+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae) 2+ <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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07-02-10	21007001-7 TL05SM	Southeastern core containment; Storage Room 8B; eastern partition wall; about center; approximately two inches above floor; from reverse side of previously removed gypsum board	Very heavy	Very few	3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 2+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 1+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) < 1+ <i>Epicoccum</i> species (spores, hyphae)	None	Fungal growth
07-02-10	21007001-7 TL06SM	Southeastern core containment; Storage Room 8A; eastern partition wall at junction with northern partition wall; approximately half inch above floor; from vertical surface of gypsum board	Very heavy	Very few	None	Very few <i>Chaetomium</i> spores detected.	Fungal growth in vicinity?
07-02-10	21007001-7 TL01LS	Southeastern core containment; Janitor Closet; sink area; western partition wall; about center; approximately two inches above floor; from vertical surface of gypsum board	Moderate	Very few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores) 2+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	Very few <i>Chaetomium</i> spores detected. Moderate amounts of <i>Ulocladium</i> spores detected.	Fungal growth
07-02-10	21007001-7 TL02LS	Southeastern core containment; Janitor Closet; western partition wall cavity; at northwestern corner; approximately six inches above floor; from vertical surface of second layer gypsum board	Heavy	Very few	4+ <i>Chaetomium</i> species (ascospores, ascomata, hyphae) 2+ <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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07-02-10	21007001-7 TL03LS	Southeastern core containment; Storage Room 8B; ceiling plenum; eastern partition wall cavity; about center; approximately three feet above ceiling; from vertical surface of second layer gypsum board	Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-02-10	21007001-7 TL04LS	Southeastern core containment; Storage Room 8B; ceiling plenum; horizontal soffit along western partition wall at northwestern corner; from horizontal surface of gypsum board	Moderate	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-02-10	21007001-7 TL05LS	Southeastern core containment; Break Room 808; eastern partition wall; about center; approximately one inch above floor; from vertical surface of gypsum board	Heavy	Very few	4+ <i>Penicillium</i> species (spores, hyphae, conidiophores) 3+ <i>Aspergillus</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-02-10	21007001-7 TL06LS	Southeastern core containment; Break Room 808; southern partition wall at southwestern corner; approximately one inch above floor; from vertical surface of gypsum board	Moderate	Very few	4+ <i>Penicillium</i> species (spores, hyphae, conidiophores) 2+ <i>Aspergillus</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-06-10	21007001-7 TL01RE	Southeastern core containment; southern hallway; flooring; between Janitor Closet and Storage Room 8A; from reverse side of previously removed carpet	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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HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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07-06-10	21007001-7 TL02RE	Southeastern core containment; southern hallway; between Janitor Closet and Storage 8A; subfloor; from horizontal surface of concrete	Very heavy	Very few	None	None	Background
07-06-10	21007001-7 TL03RE	Southeastern core containment; southern hallway; about seven feet south of elevator lobby; flooring; from reverse side of previously removed carpet	Very heavy	Very few	None	None	Background
07-06-10	21007001-7 TL04RE	Southeastern core containment; Quiet Room 809; about center; flooring; from reverse side of previously removed carpet	Very heavy	Very few	None	None	Background
07-06-10	21007001-7 TL05RE	Southeastern core containment; southern hallway; area between elevator lobby entry way and Janitor Closet; flooring; from reverse side of previously removed carpet	Very heavy	Very few	None	None	Background
07-06-10	21007001-7 TL06RE	Southeastern core containment; southern hallway; area between elevator lobby entry way and Janitor Closet; subfloor; from horizontal surface of concrete	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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07-07-10	21007001-7 TL103SM	Northwestern core containment; Men's Restroom; northern towel dispenser area; eastern partition wall cavity; about two inches south of walk-in cavity; approximately two inches above floor; from vertical surface of elevator shaft western partition wall gypsum board	Moderate	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 3+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores) 3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-07-10	21007001-7 TL104SM	Northwestern core containment; Men's Restroom; walk-in cavity north of towel dispenser area; eastern partition wall; about one foot south of northern partition wall; approximately four feet above floor; from vertical surface of gypsum board	Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-07-10	21007001-7 TL07LS	Northeastern core containment; Break Room 807; eastern partition wall; about center; approximately one inch above floor; from vertical surface of gypsum board	Very heavy	Very few	2+ <i>Penicillium</i> species (spores, hyphae, conidiophores) 2+ <i>Aspergillus</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-07-10	21007001-7 TL08LS	Northeastern core containment; Break Room 807; northern partition wall cavity; about two feet west of eastern partition wall; approximately one inch above floor; from reverse side of Copy Room 806 southern partition gypsum board wall	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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07-07-10	21007001-7 TL09LS	Northeastern core containment; Women's Restroom; southern sink cabinetry interior along western partition wall; from horizontal surface of wood	Very heavy	Very few	None	None	Background
07-07-10	21007001-7 TL10LS	Northeastern core containment; Women's Restroom; northern sink cabinetry area; western partition wall; approximately 18 inches above floor; from vertical surface of gypsum board	Very heavy	Very few	None	None	Background
07-07-10	21007001-7 TL11LS	Northeastern core containment; Women's Restroom; ceiling plenum; eastern partition wall at northeastern corner; about three feet south of northern partition wall; approximately 12 inches above suspended ceiling line; from vertical surface of gypsum board	Very heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) < 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-07-10	21007001-7 TL12LS	Northwestern core containment; western electrical closet area; central closet; eastern partition wall; about center; approximately one inch above floor; from vertical surface 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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07-07-10	21007001-7 TL13LS	Northwestern core containment; Men's Restroom; central sink cabinetry interior along eastern partition wall; from horizontal surface of wood	Heavy	Very few	4+ <i>Ceratocystis</i> / <i>Ophiostoma</i> group (hyphae)	None	Fungal growth
07-07-10	21007001-7 TL14LS	Northwestern core containment; Men's Restroom; central sink cabinetry area; eastern partition wall; approximately 18 inches above floor; from vertical surface of gypsum board	Very heavy	Very few	2+ <i>Ceratocystis</i> / <i>Ophiostoma</i> group (hyphae) 2+ <i>Alternaria</i> species (spores, hyphae, conidiophores) <1+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-07-10	21007001-7 TL15LS	Northwestern core containment; Storage Room 8C; western partition wall; about center; approximately two feet above floor; from reverse side of previously removed gypsum board	Very heavy	Very few	3+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-07-10	21007001-7 TL16LS	Northwestern core containment; Storage 8C; western partition wall cavity; about center; approximately four feet above floor; from vertical surface of second layer gypsum board	Very heavy	Very few	2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 2+ <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).

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07-07-10	21007001-7 TL07RE	Northeastern core containment; Women's Restroom; ceiling plenum; eastern partition wall cavity; about six feet south of northern partition wall; approximately 12 inches above ceiling; from vertical surface of second layer gypsum board	Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-07-10	21007001-7 TL08RE	Northeastern core containment; Women's Restroom; northern sink area; western partition wall cavity; approximately six inches above floor; from vertical surface of elevator shaft eastern partition wall gypsum board	Heavy	Very few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 3+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 2+ <i>Scopulariopsis</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-07-10	21007001-7 TL09RE	Northeastern core containment; Women's Restroom; ceiling plenum; southwestern corner ceiling above southern towel dispenser area; from horizontal surface of gypsum board	Very heavy	Very few	2+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-08-10	21007001-7 TL105SM	Northwestern core containment; Men's Restroom; ceiling plenum; cavity behind urinals; northern partition wall; about center; approximately eight feet above floor; from vertical surface of gypsum board	Very heavy	Very few	< 1+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	Very few <i>Stachybotrys</i> spores detected.	Minimal fungal growth

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

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07-08-10	21007001-7 TL106SM	Northwestern core containment; Storage Room 8C; ceiling plenum; western partition wall; about five feet north of southern partition wall; approximately two inches above ceiling; from vertical surface of gypsum board	Very heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 2+ <i>Ulocladium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-08-10	21007001-7 TL07SM	Northwestern core containment; Storage Room 8C; ceiling plenum; western partition wall cavity; about five feet north of southern partition wall; about one foot above ceiling; from vertical surface of second layer gypsum board	Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-08-10	21007001-7 TL08SM	Northwestern core containment; Storage Room 8C; ceiling; about four feet northwest of ceiling access hatch; from reverse side of previously removed ceiling gypsum board	Very heavy	Very few	3+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) < 1+ <i>Ulocladium</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-08-10	21007001-7 TL10RE	Northeastern core containment; northern hallway; flooring; about two feet northeast of Women's Restroom entry door; from reverse side of previously removed carpet	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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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
07-08-10	21007001-7 TL11RE	Northeastern core containment; northern hallway; subfloor; about two feet northeast of Women's Restroom entry door; from horizontal surface of concrete	Very heavy	Very few	None	None	Background
07-08-10	21007001-7 TL12RE	Northeastern core containment; northern hallway; area between Women's Restroom and eastern electrical closet; flooring; about center; from horizontal surface and reverse side of previously removed carpet	Very heavy	Very few	None	None	Background
07-08-10	21007001-7 TL13RE	Northeastern core containment; northern hallway; area between Women's Restroom and eastern electrical closets; subfloor; about center; from horizontal surface of concrete	Heavy	Very few	None	None	Background
07-09-10	21007001-7 TL09SM	Northwestern core containment; southern partition wall cavity between Men's Restroom and Northwestern stairwell exit door; about one foot above floor; from vertical surface of second layer gypsum board	Heavy	Few	2+ <i>Cladosporium</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+.

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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

TABLE 21007001-7
SURFACE FUNGAL GROWTH POTENTIALS
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8TH FLOOR
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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
07-09-10	21007001-7 TL10SM	Northwestern core containment; flooring; one foot northwest of western electrical closet area; southern closet entry door; from reverse side of previously removed carpet	Very heavy	Few	None	None	Background
07-09-10	21007001-7 TL11SM	Northwestern core containment; Men's Restroom; walk-in cavity north of towel dispenser; northern partition wall cavity; about five feet above floor; from reverse side of previously removed drinking fountain southern partition gypsum board wall	Very heavy	Few	1+ <i>Alternaria</i> species (spores, hyphae)	None	Fungal growth
07-09-10	21007001-7 TL12SM	Northwestern core containment; drinking fountain area; eastern partition wall cavity; about center; approximately two feet above floor; from vertical surface of second layer gypsum board	Heavy	Few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 4+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-09-10	21007001-7 TL13SM	Northwestern core containment; flooring; about one foot northwest of drinking fountain area; from reverse side of previously removed carpet	Very heavy	Few	None	None	Background
07-09-10	21007001-7 TL14SM	Northwestern core containment; subfloor; about two feet northeast of Storage Room 8C entry door; from horizontal surface of concrete	Very heavy	Few	None	None	Background

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

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

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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
07-13-10	21007001-7 TL31LS	Eastern electrical closet area; northern closet; within containment; western partition wall; about 18 inches south of northern partition wall; approximately 18 inches below ceiling; from vertical surface of gypsum board	Very heavy	Very few	2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) < 1+ <i>Alternaria</i> species (spores, hyphae)	None	Fungal growth
07-15-10	21007001-7 TL15SM	Northern quadrant containment; Column N21 area; Cubicle 172; flooring; about center; from reverse side of previously removed carpet	Very heavy	Very few	None	None	Background
07-15-10	21007001-7 TL16SM	Northern quadrant containment; Column N22 area; Cubicle 152; flooring; about center; from reverse side of previously removed carpet	Heavy	Few	None	None	Background
07-15-10	21007001-7 TL17SM	Northern quadrant containment; Column N18 area; Cubicle 114; flooring; about center; from reverse side of previously removed carpet	Very heavy	Few	None	None	Background
07-15-10	21007001-7 TL18SM	Northern quadrant containment; Column O19 area; Cubicle 121; flooring; about one foot south of Column O19; from reverse side of previously removed carpet	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).

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



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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
07-15-10	21007001-7 TL19SM	Northern quadrant containment; Column O21; cubicle pathway adjacent to Cubicle 135; flooring; about one foot north of cubicle entrance; from reverse side of previously removed carpet	Very heavy	Very few	None	None	Background
07-16-10	21007001-7 TL20SM	Northern quadrant containment; Copy Room 806; western partition wall; beneath sink; about one foot south of northern partition wall; approximately one inch above floor; from vertical surface of gypsum board	Heavy	Few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores) 3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) < 1+ <i>Alternaria</i> species (spores, hyphae)	None	Fungal growth
07-16-10	21007001-7 TL14RE	Northern quadrant containment; Copy Room 806; northwestern corner; flooring; about six inches southeast of northwestern corner; from reverse side of previously removed vinyl tile flooring	Heavy	Very few	None	None	Background
07-23-10	21007001-7 TL21RE	Southeastern quadrant containment; eastern punchout window; window sill at southern end; from reverse side of previously removed gypsum board	Heavy	Few	4+ <i>Penicillium</i> species (spores, hyphae, conidiophores) 4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-23-10	21007001-7 TL22RE	Southeastern quadrant containment; southern punchout window; windowsill at western end; from previously removed gypsum board	Heavy	Few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores) 1+ <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).

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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
07-23-10	21007001-7 TL23RE	Southeastern quadrant containment; eastern punchout window area; eastern perimeter wall; about two feet south of window; approximately one inch above floor; from reverse side of previously removed gypsum board	Heavy	Few	None	A few <i>Stachybotrys</i> spores detected.	Possible settling from fungal growth in vicinity
07-23-10	21007001-7 TL24RE	Southeastern quadrant containment; Column J20; eastern partition wall at southeastern corner; approximately one inch above ceiling tile line; from vertical surface of gypsum board	Very heavy	Few	2+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Fungal growth
07-23-10	21007001-7 TL25RE	Southeastern quadrant containment; about 20 feet northwest of Column K19; Cubicle 36; flooring; from reverse side of previously removed carpet	Heavy	Few	None	None	Background
07-23-10	21007001-7 TL26RE	Southeastern quadrant containment; Column J19 area; Cubicle 71; flooring north of column; from reverse side of previously removed carpet	Very heavy	Few	None	None	Background
07-23-10	21007001-7 TL27RE	Southeastern quadrant containment; about 15 feet southeast of Column K19; Cubicle 66; flooring; about center; from reverse side of previously removed carpet	Very heavy	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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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
07-23-10	21007001-7 TL28RE	Southeastern quadrant containment; southern punchout window area; flooring along southern perimeter wall; from reverse side of previously removed carpet	Very heavy	Few	None	None	Background
07-23-10	21007001-7 TL29RE	Southeastern quadrant containment; area between Column M17 & M18; flooring adjacent to Cubicle 89 southern end; from reverse side of previously removed carpet	Very heavy	Few	None	None	Background
07-23-10	21007001-7 TL30RE	Southeastern quadrant containment; about 20 feet northwest of Column M18; Cubicle 106.01; flooring; from reverse side of previously removed carpet	Very heavy	Few	None	None	Background
07-26-10	21007001-7 TL31RE	Southeastern quadrant containment; Column J20; southern partition wall; about center; approximately one inch above ceiling tile line; from vertical surface of gypsum board	Very heavy	Very few	None	None	Background
07-30-10	21007001-7 TL32RE	Southwestern quadrant containment; area between Column K20 and K21; flooring between Cubicle 25 and 28; from reverse side of previously removed carpet	Very heavy	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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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
07-30-10	21007001-7 TL33RE	Southwestern quadrant containment; area between Column K21 and K22; Cubicle 22; about center; flooring; from reverse side of previously removed carpet	Very heavy	Few	None	None	Background
07-30-10	21007001-7 TL34RE	Southwestern quadrant containment; southern punchout window area; immediately west of southern punchout window; flooring; from reverse side of previously removed carpet	Very heavy	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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**TABLE 21007001-8
AIRBORNE TOTAL FUNGI RESULTS
CLEARANCE
8TH FLOOR
SACRAMENTO, CALIFORNIA
JULY AND AUGUST, 2010**

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

SAMPLE NUMBER	21007001-8 TM01OUTWF	21007001-8 TM02WF	21007001-8 TM01OUTLS	21007001-8 TM02LS
SAMPLING LOCATION/ACTIVITIES	Outdoors; 4 th street sidewalk; about 25 feet north of O street; approximately five feet above floor/Normal outdoor activities	Freight elevator entrance area; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Outdoors; about 15 feet southwest of building; approximately five feet above floor/Normal outdoor activities	Southeastern core containment; Storage Room 8B; about center; approximately five feet above floor/Post abatement; sampling activities only
DATE	07-02-10	07-02-10	07-08-10	07-08-10
START/STOP	14:21:00/14:26:00	14:48:00/14:53:00	09:49:00/09:54:00	10:08:00/10:13:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	13		27	
Ascospores	110		110	
Basidiospores	750	53	430	
Bipolaris/Drechslera group			13	
Botrytis				
Chaetomium	27		27	
Cladosporium	640		1,700	1,000
Curvularia				
Epicoccum	27		13	
Nigrospora				
Oidium				
Other brown			13	
Penicillium/Aspergillus types	110		750	690
Pithomyces				
Rusts	93		520	13
Smuts, Periconia, Myxomycetes	350		920	
Stachybotrys			13	
Stemphylium				
Torula	13		27	
Ulocladium				
Hyphal fragments	310	27	210	27
Background debris*	2+	2+	4+	2+
TOTAL**	2,100	53	4,500	1,700***

*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 07-12-10-TM13LS)

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

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**TABLE 21007001-8
AIRBORNE TOTAL FUNGI RESULTS
CLEARANCE
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Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	21007001-8 TM03LS	21007001-8 TM04LS	21007001-8 TM05LS	21007001-8 TM11OUTLS
SAMPLING LOCATION/ACTIVITIES	Southeastern core containment; Janitor closet; about center; approximately five feet above floor/Post abatement; sampling activities only	Southeastern core containment; Breakroom 808; about center; approximately five feet above floor/Post abatement; sampling activities only	Southeastern core containment; southern hallway between Storage 8A & Quiet Room 809; about center; approximately five feet above floor/Post abatement; sampling activities only	Outdoors; about 15 feet north of building; approximately five feet above floor/Normal outdoor activities
DATE	07-08-10	07-08-10	07-08-10	07-12-10
START/STOP	10:16:00/10:21:00	10:23:00/10:28:00	10:30:00/10:35:00	07:29:00/07:34:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				40
Ascospores				430
Basidiospores				1,100
Bipolaris/Drechslera group				
Botrytis				
Chaetomium			13	
Cladosporium	53		53	110
Curvularia				
Epicoccum				
Nigrospora				
Oidium				13
Other brown				
Penicillium/Aspergillus types	53	53		160
Pithomyces				
Rusts				27
Smuts, Periconia, Myxomycetes	13		27	67
Stachybotrys				
Stemphylium				
Ulocladium				
Hyphal fragments	<13	<13	<13	53
Background debris*	2+	2+	2+	2+
TOTAL**	120	53	93	1,900

*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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**TABLE 21007001-8
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Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	21007001-8 TM12LS	21007001-8 TM13LS	21007001-8 TM14LS	21007001-8 TM15LS
SAMPLING LOCATION/ACTIVITIES	Southeastern core; about four feet south of Storage 8B containment; approximately five feet above floor/Sampling activities only	Southeastern core; Storage 8B containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Northeastern core containment; Women's Restroom; about center; approximately five feet above floor/Post abatement; sampling activities only	Northeastern core containment; Breakroom 807; about center; approximately five feet above floor/Post abatement; sampling activities only
DATE	07-12-10	07-12-10	07-12-10	07-12-10
START/STOP	07:40:00/07:45:00	07:50:00/07:55:00	08:09:00/08:14:00	08:19:00/08:24:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Ascospores		53		
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				53
Pithomyces				
Rusts				
Smuts, Periconia, Myxomycetes	13	13		
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background debris*	1+	2+	1+	2+
TOTAL**	13	67	<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+.

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

SAMPLE NUMBER	21007001-8 TM16LS	21007001-8 TM17LS	21007001-8 TM18OUTLS	21007001-8 TM21OUTLS
SAMPLING LOCATION/ACTIVITIES	Northeastern core containment; northern hallway; about five feet north of elevator lobby; approximately five feet above floor/Post abatement; sampling activities only	Northeastern core containment; eastern hallway; about center; approximately five feet above floor/Post abatement; sampling activities only	Outdoors; southwestern corner of building; approximately five feet above floor/Normal outdoor activities	Outdoors; about 15 feet west of building; approximately five feet above floor/Normal outdoor activities
DATE	07-12-10	07-12-10	07-12-10	07-14-10
START/STOP	08:28:00/08:33:00	08:34:00/08:39:00	09:08:00/09:13:00	07:44:00/07:49:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria			27	13
Ascospores			850	270
Basidiospores	53		2,000	750
Bipolaris/Drechslera group				
Botrytis				
Chaetomium			13	13
Cladosporium			960	590
Curvularia				
Epicoccum				
Nigrospora				
Oidium			13	
Other brown				
Penicillium/Aspergillus types			210	370
Pithomyces				
Rusts			110	
Smuts, Periconia, Myxomycetes			230	80
Stachybotrys				
Stemphylium				
Torula			13	13
Ulocladium				
Hyphal fragments	<13	<13	210	80
Background debris*	2+	1+	2+	2+
TOTAL**	53	<13	4,500	2,100

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

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**TABLE 21007001-8
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8TH FLOOR
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Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	21007001-8 TM22LS	21007001-8 TM23LS	21007001-8 TM24LS	21007001-8 TM25LS
SAMPLING LOCATION/ACTIVITIES	Northwestern core containment; Storage 8C; about center; approximately five feet above floor/Post abatement; sampling activities only	Northwestern core containment; Men's Restroom; about center; approximately five feet above floor/Post abatement; sampling activities only	Northwestern core containment; western hallway; about center; approximately five feet above floor/Post abatement; sampling activities only	Northwestern core containment; northern hallway; between stairwell and Men's Restroom entry door; approximately five feet above floor/Post abatement; sampling activities only
DATE	07-14-10	07-14-10	07-14-10	07-14-10
START/STOP	08:11:00/08:16:00	08:19:00/08:24:00	08:27:00/08:32:00	08:35:00/08:40:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Ascospores				
Basidiospores		53		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	160	53	110	53
Curvularia				
Epicoccum				
Nigrospora				
Oidium				13
Other brown				
Penicillium/Aspergillus types		110		
Pithomyces				
Rusts				
Smuts, Periconia, Myxomycetes	27			
Stachybotrys				
Stemphylium				
Ulocladium				
Hyphal fragments	<13	13	13	<13
Background debris*	4+	3+	3+	1+
TOTAL**	190	210	110	67

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

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**TABLE 21007001-8
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Results reported in spores per cubic meter of air (spores/M³)

SAMPLE NUMBER	21007001-8 TM26OUTLS	21007001-8 TM27LS	21007001-8 TM31OUTLS	21007001-8 TM32LS
SAMPLING LOCATION/ACTIVITIES	Outdoors; southwestern corner of building; approximately five feet above floor/Normal outdoor activities	Eastern electrical closet area; northern closet; within containment; about center; approximately five feet above floor/Post abatement; sampling activities only	Outdoors; about 20 feet east of building; approximately five feet above floor/Normal outdoor activities	Northern quadrant containment; Column N22 area; Cubicle 156; about center; approximately five feet above floor/Post abatement; sampling activities only
DATE	07-14-10	07-14-10	07-21-10	07-21-10
START/STOP	15:08:00/15:13:00	15:31:00/15:36:00	11:50:00/11:55:00	12:16:00/12:21:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	13			
Ascospores	53			
Basidiospores	750		640	
Bipolaris/Drechslera group				
Botrytis				
Chaetomium	13			
Cladosporium	1,600	53	850	53
Curvularia				
Epicoccum				
Nigrospora	13			
Oidium	53			
Other brown				
Penicillium/Aspergillus types	800			53
Pithomyces	13			
Rusts	53		80	
Smuts, Periconia, Myxomycetes	110		330	
Stachybotrys				
Stemphylium	13			
Torula	93		27	
Ulocladium				
Hyphal fragments	320	<13	93	<13
Background debris*	4+	2+	2+	1+
TOTAL**	3,600	53	1,900	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+.

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**TABLE 21007001-8
AIRBORNE TOTAL FUNGI RESULTS
CLEARANCE
8TH FLOOR
SACRAMENTO, CALIFORNIA
JULY AND AUGUST, 2010**

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

SAMPLE NUMBER	21007001-8 TM33LS	21007001-8 TM34LS	21007001-8 TM35LS	21007001-8 TM61OUTLS
SAMPLING LOCATION/ACTIVITIES	Northern quadrant containment; area between Column N21 N20; Conference Room 802 entry way; approximately five feet above floor/Post abatement; sampling activities only	Northern quadrant containment; Column O20 area; Cubicle 124; about center; approximately five feet above floor/Post abatement; sampling activities only	Northern quadrant containment; area between Column N18 N19; Copy Room 806 entry way; approximately five feet above floor/Post abatement; sampling activities only	Outdoors; southwestern corner of building; approximately five feet above floor/Normal outdoor activities
DATE	07-21-10	07-21-10	07-21-10	07-30-10
START/STOP	12:24:00/12:29:00	12:31:00/12:36:00	12:39:00/12:44:00	07:20:00/07:25:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Ascospores				590
Basidiospores				2,400
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			53	370
Curvularia				
Epicoccum				
Oidium				
Other brown				
Penicillium/Aspergillus types				53
Pithomyces				
Rusts				
Smuts, Periconia, Myxomycetes				67
Stachybotrys				
Stemphylium				
Torula				27
Ulocladium				
Hyphal fragments	<13	<13	<13	13
Background debris*	1+	1+	1+	2+
TOTAL**	<13	<13	53	3,500

*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 07-12-10-TM13LS)

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

SAMPLE NUMBER	21007001-8 TM62LS	21007001-8 TM63LS	21007001-8 TM64LS	21007001-8 TM65LS
SAMPLING LOCATION/ACTIVITIES	Southeastern quadrant containment; Column J20 area; about one foot north of Cubicle 73 entry way; approximately five feet above floor/Post abatement; sampling activities only	Southeastern quadrant containment; about five feet northwest of southeastern corner eastern punchout window; approximately five feet above floor/Post abatement; sampling activities only	Southeastern quadrant containment; southeastern corner southern punchout window area; Cubicle 91 entry way; approximately five feet above floor/Post abatement; sampling activities only	Southeastern quadrant containment; Column M18 area; Cubicle 100 entry way; approximately five feet above floor/Post abatement; sampling activities only
DATE	07-30-10	07-30-10	07-30-10	07-30-10
START/STOP	07:45:00/07:50:00	07:52:00/07:57:00	08:01:00/08:06:00	08:10:00/08:15:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Ascospores				
Basidiospores			53	
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts, Periconia, Myxomycetes				
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	<13	<13	<13
Background debris*	1+	1+	1+	1+
TOTAL**	<13	<13	53	<13

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

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

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

SAMPLE NUMBER	21007001-8 TM66OUTLS	21007001-8 TM67LS	21007001-8 TM68LS	21007001-8 TM69LS
SAMPLING LOCATION/ACTIVITIES	Outdoors; about ten feet southwest of building; approximately five feet above floor/Normal outdoor activities	Southwestern quadrant containment; about ten feet southwest of Column M22; Cubicle 179; about center; approximately five feet above floor/Post abatement; sampling activities only	Southwestern quadrant containment; southern punchout window area; about center; approximately five feet above floor/Post abatement; sampling activities only	Southwestern quadrant containment; about ten feet northwest of Column K21; Cubicle 22; about center; approximately five feet above floor/Post abatement; sampling activities only
DATE	08-05-10	08-05-10	08-05-10	08-05-10
START/STOP	12:38:00/12:43:00	12:59:00/13:04:00	13:07:00/13:12:00	13:13:00/13:18:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	40			
Ascospores	110			
Basidiospores	270		53	
Bipolaris/Drechslera group	13			
Botrytis				
Chaetomium	53			
Cladosporium	1,700	53		
Curvularia				
Epicoccum				
Oidium	13			
Other brown	27			
Penicillium/Aspergillus types	110			
Pithomyces				
Rusts	13			
Smuts, Periconia, Myxomycetes	250	13	13	
Stachybotrys				
Stemphylium	13			
Torula	13			
Ulocladium				
Hyphal fragments	190	<13	<13	<13
Background debris*	3+	2+	3+	2+
TOTAL**	2,600	67	67	<13

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

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

SAMPLE NUMBER	21007001-8 TM70LS			
SAMPLING LOCATION/ACTIVITIES	Southwestern quadrant containment; area between Column J20 and 21; Cubicle 76; about center; approximately five feet above floor/Post abatement; sampling activities only	This column intentionally left blank	This column intentionally left blank	This column intentionally left blank
DATE	08-05-10			
START/STOP	13:20:00/13:25:00			
SAMPLE TIME	5 minutes			
Alternaria				
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium				
Curvularia				
Epicoccum				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts, Periconia, Myxomycetes				
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13			
Background debris*	3+			
TOTAL**	<13			

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

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

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TABLE 21007001-9
SURFACE FUNGAL GROWTH POTENTIALS
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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
07-02-10	21007001-9 TL01WF	Freight elevator hallway; within containment; floor; about eight feet east of elevator door; from horizontal surface of concrete	Light	Very few	None	None	Background
07-02-10	21007001-9 TL02WF	Freight elevator hallway; within containment; northern partition wall; about three feet east of elevator door; approximately two inches above floor; from vertical surface of metal stud	Light	Very few	None	None	Background
07-08-10	21007001-9 TL01LS	Southeastern core containment; Storage Room 8B; northeastern corner; floor; from horizontal surface of vinyl tile	Light	Very few	None	None	Background
07-08-10	21007001-9 TL02LS	Southeastern core containment; Storage Room 8B; southern partition wall; about eight feet south of northern partition wall; approximately three inches above floor; from vertical surface of second layer gypsum board	Light	Very few	None	None	Background
07-08-10	21007001-9 TL03LS	Southeastern core containment; Storage Room 8B; ceiling plenum; ceiling; about 12 inches north of ceiling access hatch; from reverse side of gypsum board	Light	Very few	None	None	Background

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

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

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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
07-08-10	21007001-9 TL04LS	Southeastern core containment; Janitor Closet; sink area; floor; about center; from horizontal surface of concrete	Light	Very few	None	None	Background
07-08-10	21007001-9 TL05LS	Southeastern core containment; Janitor Closet; sink area; northern partition wall cavity; about center; approximately one inch above floor; from vertical surface of metal stud rail	Light	Very few	None	None	Background
07-08-10	21007001-9 TL06LS	Southeastern core containment; Break Room 808; southwestern corner; floor; from horizontal surface of vinyl flooring tile	Light	Very few	None	None	Background
07-08-10	21007001-9 TL07LS	Southeastern core containment; Break Room 808; southern partition wall cavity; about center; approximately two inches above floor; from vertical surface of metal stud	Moderate	Very few	None	None	Background
07-08-10	21007001-9 TL08LS	Southeastern core containment; southern hallway; floor; about two feet east of elevator lobby entry way area; from horizontal surface of concrete	Moderate	Very few	None	None	Background

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

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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
07-08-10	21007001-9 TL09LS	Southeastern core containment; Quiet Room 809; floor; about center; from horizontal surface of concrete	Moderate	Very few	None	None	Background
07-08-10	21007001-9 TL10LS	Southeastern core containment; Storage Room 8A; northeastern corner; floor; from horizontal surface of vinyl floor tile	Light	Very few	None	None	Background
07-12-10	21007001-9 TL11LS	Northeastern core containment; Women's Restroom; floor; southwestern corner; about three inches north of towel dispenser area; from horizontal surface of concrete	Light	Very few	None	None	Background
07-12-10	21007001-9 TL12LS	Northeastern core containment; Women's Restroom; western partition wall cavity; about center; approximately six inches above floor; from vertical surface of metal stud	Light	Very few	None	None	Background
07-12-10	21007001-9 TL13LS	Northeastern core containment; Women's Restroom; ceiling plenum; southeastern corner; about three inches west of ceiling cavity; from reverse side of gypsum board	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).

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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
07-12-10	21007001-9 TL14LS	Northeastern core containment; Break Room 807; eastern partition wall cavity; at northeastern corner; from horizontal surface of metal stud rail	Light	Very few	None	None	Background
07-12-10	21007001-9 TL15LS	Northeastern core containment; Break Room 807; eastern partition wall cavity; about center; approximately three inches above floor; from vertical surface of metal stud	Moderate	Very few	None	Very few <i>Chaetomium</i> spores detected	Background
07-12-10	21007001-9 TL16LS	Northeastern core containment; northern hallway; floor; about five feet north of elevator lobby; from horizontal surface of concrete	Light	Very few	None	None	Background
07-12-10	21007001-9 TL17LS	Northeastern core containment; eastern hallway; floor; about center; from horizontal surface of concrete	Light	Very few	None	None	Background
07-14-10	21007001-9 TL21LS	Northwestern core containment; Storage Room 8C; floor; about three feet west of eastern partition wall; approximately six feet south of northern partition wall; from horizontal surface of vinyl floor tile	Moderate	Very few	None	Moderate amounts of dark amorphous particles detected, not biological in appearance	Background

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

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DATE	SAMPLE NUMBER	SAMPLING LOCATION	BACKGROUND DEBRIS	MISCELLANEOUS SPORES PRESENT*	FUNGI SEEN WITH UNDERLYING MYCELIAL AND/OR SPORULATING STRUCTURES**	OTHER COMMENTS	GENERAL IMPRESSION
07-14-10	21007001-9 TL22LS	Northwestern core containment; Storage Room 8C; northern partition wall cavity at northeastern corner; approximately three inches above floor; from vertical surface of metal stud	Moderate	Very few	None	Moderate amounts of dark amorphous particles detected, not biological in appearance	Background
07-14-10	21007001-9 TL23LS	Northwestern core containment; Storage Room 8C; ceiling cavity at northwestern corner; from horizontal surface of metal framing	Light	Very few	None	None	Background
07-14-10	21007001-9 TL24LS	Northwestern core containment; northern hallway; about six inches north of Storage Room 8C entry door; floor; about center; from horizontal surface of concrete	Moderate	Very few	None	Moderate amounts of dark amorphous particles detected, not biological in appearance	Background
07-14-10	21007001-9 TL25LS	Northwestern core containment; Men's Restroom; eastern partition wall cavity; about center; from horizontal surface of metal stud	Moderate	Very few	None	Moderate amounts of dark amorphous particles detected, not biological in appearance	Background
07-14-10	21007001-9 TL26LS	Northwestern core containment; Men's Restroom; northern towel dispenser area; eastern partition wall cavity; about center; approximately six inches above floor; from vertical surface of metal stud	Light	Very few	None	None	Background

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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
07-14-10	21007001-9 TL27LS	Northwestern core containment; Men's Restroom; ceiling plenum; southern fire sprinkler area; from horizontal surface of gypsum board	Light	Very few	None	None	Background
07-14-10	21007001-9 TL28LS	Northwestern core containment; northwestern Drinking Fountain area; floor; about center; from horizontal surface of concrete	Light	Very few	None	None	Background
07-14-10	21007001-9 TL29LS	Northwestern core containment; western hallway; floor; about center; from horizontal surface of concrete	Moderate	Very few	None	Moderate amounts of dark amorphous particles detected, not biological in appearance	Background
07-14-10	21007001-9 TL30LS	Eastern electrical closet area; northern closet; within containment; floor; northwestern corner; from horizontal surface of concrete	Moderate	Very few	None	Moderate amounts of dark amorphous particles detected, not biological in appearance	Background
07-21-10	21007001-9 TL31LS	Northern quadrant containment; Column N22 area; floor; about 20 feet southwest of column; from horizontal surface of concrete	Moderate	Very few	None	None	Background
07-21-10	21007001-9 TL32LS	Northern quadrant containment; Column O21 area; Cubicle 139; floor along western cubicle partition; from horizontal surface of concrete	Light	Very few	None	None	Background

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

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07-21-10	21007001-9 TL33LS	Northern quadrant containment; Copy Room 806; northwestern corner; floor; from horizontal surface of concrete	Heavy	Very few	None	None	Background
07-21-10	21007001-9 TL34LS	Northern quadrant containment; Column N21 area; eastern partition wall; about center; approximately six inches above floor; from vertical surface of gypsum board	Light	Very few	None	None	Background
07-21-10	21007001-9 TL35LS	Northern quadrant containment; Column N18 area; Cubicle partition between Cubicle 107 and 108; approximately three inches above floor; from vertical surface of plastic sheeting	Moderate	Very few	None	None	Background
07-21-10	21007001-9 TL36LS	Northern quadrant containment; Column N20 area; Copy Room 803; floor; about three feet southwest of entry door; from horizontal surface of concrete	Moderate	Very few	None	None	Background
07-30-10	21007001-9 TL61LS	Southeastern quadrant containment; Column J20 southern partition wall at southeastern corner; approximately 12 inches below ceiling; from vertical surface of gypsum board	Moderate	Very few	None	None	Background

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07-30-10	21007001-9 TL62LS	Southeastern quadrant containment; Column K18 area; Cubicle 66; floor; about center; from horizontal surface of concrete	Moderate	Very few	None	None	Background
07-30-10	21007001-9 TL63LS	Southeastern quadrant containment; eastern punch-out window; windowsill at southern end; from horizontal surface of metal	Moderate	Very few	None	None	Background
07-30-10	21007001-9 TL64LS	Southeastern quadrant containment; Copy Room 811; floor along southern partition wall; about center; approximately one inch north of southern partition wall; from horizontal surface of vinyl floor tile	Moderate	Very few	None	None	Background
07-30-10	21007001-9 TL65LS	Southeastern quadrant containment; southern punch-out window; windowsill at western end; from horizontal surface of metal	Light	Very few	None	None	Background
07-30-10	21007001-9 TL66LS	Southeastern quadrant containment; Column L18 area; western partition wall cavity contiguous with Breakroom 808 eastern partition wall; about center; approximately two inches above floor; from vertical surface of metal stud	Light	Very few	None	None	Background

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

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07-30-10	21007001-9 TL67LS	Southeastern quadrant containment; Column M18 area; Cubicle 97.02; northern cubicle partition; northern end; floor; from horizontal surface of concrete	Moderate	Very few	None	None	Background
08-05-10	21007001-9 TL68LS	Southeastern quadrant containment; northern punch-out window area at northeastern corner; floor; about center; approximately 18 inches south of northern punch-out window; from horizontal surface of concrete	Heavy	Very few	None	None	Background
08-05-10	21007001-9 TL69LS	Southwestern quadrant containment; Column M22 area; Cubicle 177; floor; western cubicle partition at southern end; from horizontal surface of concrete	Heavy	Very Few	None	None	Background
08-05-10	21007001-9 TL70LS	Southwestern quadrant containment; southwestern corner; southern punch-out window area; southern perimeter wall; about center; approximately three inches above floor; from vertical surface of gypsum board	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).

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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
08-05-10	21007001-9 TL71LS	Southwestern quadrant containment; floor; about ten feet northwest of Column K21; Cubicle 22; about center; from horizontal surface of concrete	Heavy	Very Few	None	None	Background
08-05-10	21007001-9 TL72LS	Southwestern quadrant containment; Column K20; northern partition wall; about center; approximately three inches above floor; from vertical surface of gypsum board	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+.



Report for:

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

Regarding: Project: 21007001-7
EML ID: 675840

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-06-2010

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

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. Syed Mehdi
 Re: 21007001-7

Date of Sampling: 07-02-2010
 Date of Receipt: 07-02-2010
 Date of Report: 07-06-2010

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‡: 2998080-1: Tape sample 21007001-7-TL01SM				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 2998081-1: Tape sample 21007001-7-TL02SM				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 2998082-1: Tape sample 21007001-7-TL03SM				
Light	Very few	4+ <i>Penicillium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2998083-1: Tape sample 21007001-7-TL04SM				
Heavy	Very few	3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 2+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae) 2+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2998084-1: Tape sample 21007001-7-TL05SM				
Very Heavy	Very few	3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 2+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 1+ <i>Ulocladium</i> species (spores, hyphae, conidiophores) < 1+ <i>Epicoccum</i> species (spores, hyphae)	None	Mold growth
Lab ID-Version: 2998085-1: Tape sample 21007001-7-TL06SM				
Very Heavy	Very few	None	Very few <i>Chaetomium</i> spores detected.	Mold growth in vicinity?

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

Regarding: Project: 21007001-7
 EML ID: 675841

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-06-2010

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

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. Larry Sandhu
 Re: 21007001-7

Date of Sampling: 07-02-2010
 Date of Receipt: 07-02-2010
 Date of Report: 07-06-2010

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‡: 2998086-1: Tape sample 21007001-7-TL01LS				
Moderate	Very few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores) 2+ Colorless spores typical of <i>Penicillium/Aspergillus</i> (spores, hyphae)	Very few <i>Chaetomium</i> spores detected. Moderate amounts of <i>Ulocladium</i> spores detected.	Mold growth
Lab ID-Version: 2998087-1: Tape sample 21007001-7-TL02LS				
Heavy	Very few	4+ <i>Chaetomium</i> species (ascospores, ascomata, hyphae) 2+ <i>Ulocladium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2998088-1: Tape sample 21007001-7-TL03LS				
Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2998089-1: Tape sample 21007001-7-TL04LS				
Moderate	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2998090-1: Tape sample 21007001-7-TL05LS				
Heavy	Very few	4+ <i>Penicillium</i> species (spores, hyphae, conidiophores) 3+ <i>Aspergillus</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 2998091-1: Tape sample 21007001-7-TL06LS				
Moderate	Very few	4+ <i>Penicillium</i> species (spores, hyphae, conidiophores) 2+ <i>Aspergillus</i> species (spores, hyphae, conidiophores)	None	Mold growth

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Report for:

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

Regarding: Project: 21007001-7
EML ID: 676649

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-08-2010

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, Mr. Larry Sandhu
 Re: 21007001-7

Date of Sampling: 07-06-2010
 Date of Receipt: 07-07-2010
 Date of Report: 07-08-2010

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‡: 3001333-1: Tape sample 21007001-7-TL01RE				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3001335-1: Tape sample 21007001-7-TL02RE				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3001336-1: Tape sample 21007001-7-TL03RE				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3001337-1: Tape sample 21007001-7-TL04RE				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3001338-1: Tape sample 21007001-7-TL05RE				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3001339-1: Tape sample 21007001-7-TL06RE				
Very Heavy	Very few	None	None	Normal trapping

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Report for:

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

Regarding: Project: 21007001-7
EML ID: 676996

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-09-2010

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

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. Larry Sandhu
Re: 21007001-7

Date of Sampling: 07-07-2010
Date of Receipt: 07-08-2010
Date of Report: 07-09-2010

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‡: 3002700-1: Tape sample 21007001-7-TL103SM				
Moderate	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 3+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores) 3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3002701-1: Tape sample 21007001-7-TL104SM				
Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3002702-1: Tape sample 21007001-7-TL07RE				
Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3002703-1: Tape sample 21007001-7-TL08RE				
Heavy	Very few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 3+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 2+ <i>Scopulariopsis</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3002704-1: Tape sample 21007001-7-TL09RE				
Very Heavy	Very few	2+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3002705-1: Tape sample 21007001-7-TL07LS				
Very Heavy	Very few	2+ <i>Penicillium</i> species (spores, hyphae, conidiophores) 2+ <i>Aspergillus</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3002706-1: Tape sample 21007001-7-TL08LS				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3002707-1: Tape sample 21007001-7-TL09LS				
Very Heavy	Very few	None	None	Normal trapping

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 3002708-1: Tape sample 21007001-7-TL10LS				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3002709-1: Tape sample 21007001-7-TL11LS				
Very Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) < 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3002710-1: Tape sample 21007001-7-TL12LS				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3002712-1: Tape sample 21007001-7-TL13LS				
Heavy	Very few	4+ <i>Ceratocystis / Ophiostoma</i> group (hyphae)	None	Mold growth
Lab ID-Version: 3002714-1: Tape sample 21007001-7-TL14LS				
Very Heavy	Very few	2+ <i>Ceratocystis / Ophiostoma</i> group (hyphae) 2+ <i>Alternaria</i> species (spores, hyphae, conidiophores) < 1+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3002715-1: Tape sample 21007001-7-TL15LS				
Very Heavy	Very few	3+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3002716-1: Tape sample 21007001-7-TL16LS				
Very Heavy	Very few	2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 2+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth

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Report for:

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

Regarding: Project: 21007001-7
EML ID: 677602

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-12-2010

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, Mr. Larry Sandhu
 Re: 21007001-7

Date of Sampling: 07-08-2010
 Date of Receipt: 07-09-2010
 Date of Report: 07-12-2010

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‡: 3005604-1: Tape sample 21007001-7-TL10RE				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3005605-1: Tape sample 21007001-7-TL11RE				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3005606-1: Tape sample 21007001-7-TL12RE				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3005607-1: Tape sample 21007001-7-TL13RE				
Heavy	Very few	None	None	Normal trapping

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Report for:

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

Regarding: Project: 21007001-7
EML ID: 677604

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-12-2010

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, Mr. Syed Mehdi, Mr. Larry Sandhu
 Re: 21007001-7

Date of Sampling: 07-08-2010
 Date of Receipt: 07-09-2010
 Date of Report: 07-12-2010

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‡: 3005613-1: Tape sample 21007001-7-TL105SM				
Very Heavy	Very few	< 1+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	Very few <i>Stachybotrys</i> spores detected.	Minimal mold growth
Lab ID-Version: 3005614-1: Tape sample 21007001-7-TL106SM				
Very Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 2+ <i>Ulocladium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3005615-1: Tape sample 21007001-7-TL07SM				
Heavy	Very few	4+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3005616-1: Tape sample 21007001-7-TL08SM				
Very Heavy	Very few	3+ <i>Alternaria</i> species (spores, hyphae, conidiophores) 1+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) < 1+ <i>Ulocladium</i> species (spores, hyphae, conidiophores)	None	Mold growth

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Report for:

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

Regarding: Project: 21007001-7
EML ID: 677884

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-13-2010

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, Mr. Syed Mehdi
 Re: 21007001-7

Date of Sampling: 07-09-2010
 Date of Receipt: 07-12-2010
 Date of Report: 07-13-2010

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‡: 3006942-1: Tape sample 21007001-7-TL09SM				
Heavy	Few	2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3006943-1: Tape sample 21007001-7-TL10SM				
Very Heavy	Few	None	None	Normal trapping
Lab ID-Version: 3006944-1: Tape sample 21007001-7-TL11SM				
Very Heavy	Few	1+ <i>Alternaria</i> species (spores, hyphae)	None	Mold growth
Lab ID-Version: 3006945-1: Tape sample 21007001-7-TL12SM				
Heavy	Few	4+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) 4+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3006946-1: Tape sample 21007001-7-TL13SM				
Very Heavy	Few	None	None	Normal trapping
Lab ID-Version: 3006947-1: Tape sample 21007001-7-TL14SM				
Very Heavy	Few	None	None	Normal trapping

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Report for:

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

Regarding: Project: 21007001-7
EML ID: 678915

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-15-2010

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

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. Larry Sandhu
 Re: 21007001-7

Date of Sampling: 07-14-2010
 Date of Receipt: 07-14-2010
 Date of Report: 07-15-2010

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‡: 3011587-1: Tape sample 21007001-7TL31LS				
Very Heavy	Very few	2+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) < 1+ <i>Alternaria</i> species (spores, hyphae)	None	Mold growth

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Report for:

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

Regarding: Project: 21007001-7
EML ID: 679957

Approved by:

Lab Manager
Malcolm Moody

REVISED REPORT

Dates of Analysis:
Direct microscopic exam (Qualitative): 07-20-2010

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

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. Syed Mehdi
 Re: 21007001-7

Date of Sampling: 07-15-2010
 Date of Receipt: 07-16-2010
 Date of Report: 07-19-2010

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‡: 3015178-2: Tape sample 21007001-7-TL15SM				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3015179-2: Tape sample 21007001-7-TL16SM				
Heavy	Few	None	None	Normal trapping
Lab ID-Version: 3015180-2: Tape sample 21007001-7-TL17SM				
Very Heavy	Few	None	None	Normal trapping
Lab ID-Version: 3015181-2: Tape sample 21007001-7-TL18SM				
Very Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3015182-2: Tape sample 21007001-7-TL19SM				
Very 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, Mr. Syed Mehdi
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 21007001-7
EML ID: 680658

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-20-2010

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

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, Mr. Syed Mehdi
 Re: 21007001-7

Date of Sampling: 07-16-2010
 Date of Receipt: 07-19-2010
 Date of Report: 07-20-2010

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‡: 3018254-1: Tape sample 21007001-7-TL20SM				
Heavy	Few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores) 3+ <i>Cladosporium</i> species (spores, hyphae, conidiophores) < 1+ <i>Alternaria</i> species (spores, hyphae)	None	Mold growth
Lab ID-Version: 3018255-1: Tape sample 21007001-7-TL14RE				
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, Mr. Larry Sandhu
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 21007001-7
 EML ID: 682980

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-27-2010

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

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. Larry Sandhu
 Re: 21007001-7

Date of Sampling: 07-23-2010
 Date of Receipt: 07-26-2010
 Date of Report: 07-27-2010

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‡: 3030007-1: Tape sample 21007001-7-TL21RE				
Heavy	Few	4+ <i>Penicillium</i> species (spores, hyphae, conidiophores) 4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3030008-1: Tape sample 21007001-7-TL22RE				
Heavy	Few	4+ <i>Stachybotrys</i> species (spores, hyphae, conidiophores) 1+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3030009-1: Tape sample 21007001-7-TL23RE				
Heavy	Few	None	A few <i>Stachybotrys</i> spores detected.	Mold growth in vicinity?
Lab ID-Version: 3030010-1: Tape sample 21007001-7-TL24RE				
Very Heavy	Few	2+ <i>Alternaria</i> species (spores, hyphae, conidiophores)	None	Mold growth
Lab ID-Version: 3030011-1: Tape sample 21007001-7-TL25RE				
Heavy	Few	None	None	Normal trapping
Lab ID-Version: 3030012-1: Tape sample 21007001-7-TL26RE				
Very Heavy	Few	None	None	Normal trapping
Lab ID-Version: 3030013-1: Tape sample 21007001-7-TL27RE				
Very Heavy	Few	None	None	Normal trapping
Lab ID-Version: 3030014-1: Tape sample 21007001-7-TL28RE				
Very Heavy	Few	None	None	Normal trapping
Lab ID-Version: 3030015-1: Tape sample 21007001-7-TL29RE				
Very Heavy	Few	None	None	Normal trapping

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 3030016-1: Tape sample 21007001-7-TL30RE				
Very Heavy	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, Mr. Larry Sandhu
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 21007001-7
EML ID: 684292

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-29-2010

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

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. Larry Sandhu
Re: 21007001-7

Date of Sampling: 07-26-2010
Date of Receipt: 07-28-2010
Date of Report: 07-29-2010

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‡: 3035878-1: Tape sample 21007001-7-TL31RE				
Very 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, Mr. Larry Sandhu
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 21007001-7
EML ID: 685646

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 08-03-2010

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

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. Larry Sandhu
 Re: 21007001-7

Date of Sampling: 07-30-2010
 Date of Receipt: 08-02-2010
 Date of Report: 08-03-2010

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‡: 3040877-1: Tape sample 21007001-7-TL32RE				
Very Heavy	Few	None	None	Normal trapping
Lab ID-Version: 3040878-1: Tape sample 21007001-7-TL33RE				
Very Heavy	Few	None	None	Normal trapping
Lab ID-Version: 3040879-1: Tape sample 21007001-7-TL34RE				
Very Heavy	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".



HYGIENE TECH



300676996

Hygiene Technologies International, Inc.

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

Request For Analysis

Project Number/Purchase Order: 21007001-7 Date Submitted: 07/07/10

Project Contact: L Sandhu (w-Froy) Turnaround Required: Normal

Lab Destination: ENCLAB Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
21007001-7 ^{TL03 SM} TL03 RE	N/A	Tape	Direct Exam (Qualitative)
TL04 SM			
TL04 RE			
TL08 RE			
TL09 RE			
TL07 ^{LS} ^{caletto}			
TL08 ^{LS}			
TL09 ^{LS}			
TL10 LS			
TL11 LS			
TL12 LS			
TL13 LS			
TL14 LS			
TL15 LS			
TL16 LS			

Special Instructions: 8th Floor NE 8 NW Core Contaminant
Calculation

1. Sampled by: Handing Process on 7/7/10 @ 10:10 Received by: _____

2. Relinquished by: Handing on 7/7/10 @ 17:00 Received by: JW 7/10/10

3. Relinquished by: _____ Received by: _____

Please include signature, date, and time

Lab Use Only:



Request For Analysis

Project Number/Purchase Order: 2107001-70 Date Submitted: 7/24/10Project Contact: L. Sanchez (W. Pray) Turnaround Required: NormalLab Destination: EM LAB Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
2107001-7 TL21RE	151A	TYPE	Direct exam (Qualitative)
TL22RE			
TL23RE			
TL24RE			
TL25RE			
TL26RE			
TL27RE			
TL28RE			
TL29RE			
X TL30RE	X	X	X

Special Instructions: 8th floor SE Quadrant abatement1. Sampled by: Henderson on 7/23/10 @ 9:15 Received by: _____2. Relinquished by: Henderson on 7/24/10 @ 8:10 Received by: JW 7/26/10

3. Relinquished by: _____ Received by: _____

Please include signature, date, and time

Lab Use Only:



Report for:

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

Regarding: Project: 21007001 - 8 & 9
EML ID: 675817

Approved by:

Lab Manager
Malcolm Moody

REVISED REPORT

Dates of Analysis:
Direct microscopic exam (Qualitative): 07-06-2010

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

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. Larry Sandhu
 Re: 21007001 - 8 & 9

Date of Sampling: 07-02-2010
 Date of Receipt: 07-02-2010
 Date of Report: 07-02-2010

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‡: 2997910-2: Tape sample 21007001-9-TL01WF				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 2997911-2: Tape sample 21007001-9-TL02WF				
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, Mr. Larry Sandhu
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 21007001 - 8 & 9
EML ID: 675817

Approved by:

Lab Manager
Malcolm Moody

REVISED REPORT

Dates of Analysis:
Spore trap analysis: 07-06-2010

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. Larry Sandhu
Re: 21007001 - 8 & 9

Date of Sampling: 07-02-2010
Date of Receipt: 07-02-2010
Date of Report: 07-02-2010

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21007001-8-TM01OUTWF		21007001-8-TM02WF	
Comments (see below)	None		None	
Lab ID-Version‡:	2997912-2		2997913-2	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13		
Arthrinium				
Ascospores*	2	110		
Aureobasidium				
Basidiospores*	14	750	1	53
Bipolaris/Drechslera group				
Botrytis				
Chaetomium	2	27		
Cladosporium	12	640		
Curvularia				
Epicoccum	2	27		
Fusarium				
Myrothecium				
Nigrospora				
Other colorless				
Penicillium/Aspergillus types†	2	110		
Pithomyces				
Rusts*	7	93		
Smuts*, Periconia, Myxomycetes*	26	350		
Stachybotrys				
Stemphylium				
Torula	1	13		
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	2+		2+	
Hyphal fragments/m3	310		27	
Pollen/m3	53		< 13	
Skin cells (1-4+)	None		1+	
Sample volume (liters)	75		75	
§ TOTAL SPORES/m3		2,100		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 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, Mr. Larry Sandhu
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 21007001 - 8 & 9
EML ID: 677043

Approved by:

Lab Manager
Malcolm Moody

REVISED REPORT

Dates of Analysis:
Direct microscopic exam (Qualitative): 07-08-2010 and 07-09-2010

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

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. Larry Sandhu
 Re: 21007001 - 8 & 9

Date of Sampling: 07-08-2010
 Date of Receipt: 07-08-2010
 Date of Report: 07-08-2010

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‡: 3002811-1: Tape sample 21007001-9-TL01LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3002812-1: Tape sample 21007001-9-TL02LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3002813-1: Tape sample 21007001-9-TL03LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3002814-1: Tape sample 21007001-9-TL04LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3002815-2: Tape sample 21007001-9-TL05LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3002816-2: Tape sample 21007001-9-TL06LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3002817-2: Tape sample 21007001-9-TL07LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3002818-2: Tape sample 21007001-9-TL08LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3002819-2: Tape sample 21007001-9-TL09LS				
Moderate	Very few	None	None	Normal trapping

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 3002820-2: Tape sample 21007001-9-TL10LS				
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, Mr. Larry Sandhu
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 21007001 - 8 & 9
EML ID: 677043

Approved by:

Lab Manager
Malcolm Moody

REVISED REPORT

Dates of Analysis:
Spore trap analysis: 07-08-2010 and 07-09-2010

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. Larry Sandhu
Re: 21007001 - 8 & 9

Date of Sampling: 07-08-2010
Date of Receipt: 07-08-2010
Date of Report: 07-08-2010

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21007001-8-TM01OUTLS		21007001-8-TM02LS		21007001-8-TM03LS		21007001-8-TM04LS		21007001-8-TM05LS	
Comments (see below)	None		None		None		None		None	
Lab ID-Version‡:	3002821-1		3002822-1		3002823-2		3002824-2		3002825-2	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	2	27								
Arthrinium										
Ascospores*	2	110								
Aureobasidium										
Basidiospores*	8	430								
Bipolaris/Drechslera group	1	13								
Botrytis										
Chaetomium	2	27							1	13
Cladosporium	31	1,700	19	1,000	1	53			1	53
Curvularia										
Epicoccum	1	13								
Fusarium										
Myrothecium										
Nigrospora										
Other brown	1	13								
Penicillium/Aspergillus types†	14	750	13	690	1	53	1	53		
Pithomyces										
Rusts*	39	520	1	13						
Smuts*, Periconia, Myxomycetes*	69	920			1	13			2	27
Stachybotrys	1	13								
Stemphylium										
Torula	2	27								
Ulocladium										
Background debris (1-4+)††	4+		2+		2+		2+		2+	
Hyphal fragments/m3	210		27		< 13		< 13		< 13	
Pollen/m3	510		< 13		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		< 1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75		75	
§ TOTAL SPORES/m3		4,500		1,700		120		53		93

Comments:

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

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

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

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

‡ A "Version" 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. Larry Sandhu
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 21007001 - 8 & 9
EML ID: 677964

Approved by:

Lab Manager
Malcolm Moody

REVISED REPORT

Dates of Analysis:
Direct microscopic exam (Qualitative): 07-12-2010 and 07-13-2010

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

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, Mr. Larry Sandhu
 Re: 21007001 - 8 & 9

Date of Sampling: 07-12-2010
 Date of Receipt: 07-12-2010
 Date of Report: 07-12-2010

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‡: 3007213-1: Tape sample 21007001-9-TL11LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3007214-1: Tape sample 21007001-9-TL12LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3007215-1: Tape sample 21007001-9-TL13LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3007216-1: Tape sample 21007001-9-TL14LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3007217-1: Tape sample 21007001-9-TL15LS				
Moderate	Very few	None	Very few <i>Chaetomium</i> spores detected.	Mold growth in vicinity?
Lab ID-Version: 3007218-2: Tape sample 21007001-9-TL16LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3007219-2: Tape sample 21007001-9-TL17LS				
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, Mr. Larry Sandhu
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 21007001 - 8 & 9
EML ID: 677964

Approved by:

Lab Manager
Malcolm Moody

REVISED REPORT

Dates of Analysis:
Spore trap analysis: 07-13-2010

Service SOPs: Spore trap analysis (1038)

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. Larry Sandhu
 Re: 21007001 - 8 & 9

Date of Sampling: 07-12-2010
 Date of Receipt: 07-12-2010
 Date of Report: 07-12-2010

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21007001-8-TM11OUTLS		21007001-8-TM12LS		21007001-8-TM13LS		21007001-8-TM14LS	
Comments (see below)	None		None		None		A	
Lab ID-Version‡:	3007220-3		3007221-2		3007222-2		3007223-3	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	3	40						
Arthrinium								
Ascospores*	8	430			1	53		
Aureobasidium								
Basidiospores*	20	1,100						
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	2	110						
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium	1	13						
Penicillium/Aspergillus types†	3	160						
Pithomyces								
Rusts*	2	27						
Smuts*, Periconia, Myxomycetes*	5	67	1	13	1	13		
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Background debris (1-4+)††	2+		1+		2+		1+	
Hyphal fragments/m3	53		< 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		1,900		13		67		< 13

Comments: A) No spores detected.

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

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

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

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

‡ A "Version" 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, Mr. Larry Sandhu
Re: 21007001 - 8 & 9

Date of Sampling: 07-12-2010
Date of Receipt: 07-12-2010
Date of Report: 07-12-2010

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21007001-8-TM15LS		21007001-8-TM16LS		21007001-8-TM17LS		21007001-8-TM18OUTLS	
Comments (see below)	None		None		A		None	
Lab ID-Version‡:	3007224-2		3007225-2		3007226-3		3007227-2	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria							2	27
Arthrinium								
Ascospores*							16	850
Aureobasidium								
Basidiospores*			1	53			38	2,000
Bipolaris/Drechslera group								
Botrytis								
Chaetomium							1	13
Cladosporium							18	960
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Oidium							1	13
Penicillium/Aspergillus types†	1	53					4	210
Pithomyces								
Rusts*							8	110
Smuts*, Periconia, Myxomycetes*							17	230
Stachybotrys								
Stemphylium								
Torula							1	13
Ulocladium								
Background debris (1-4+)††	2+		2+		1+		2+	
Hyphal fragments/m3	< 13		< 13		< 13		210	
Pollen/m3	< 13		< 13		< 13		53	
Skin cells (1-4+)	1+		1+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		53		53		< 13		4,500

Comments: A) No spores detected.

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

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

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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.

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



Report for:

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

Regarding: Project: 21007001 - 8 & 9
EML ID: 679304

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-15-2010

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

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, Mr. Larry Sandhu
 Re: 21007001 - 8 & 9

Date of Sampling: 07-14-2010
 Date of Receipt: 07-15-2010
 Date of Report: 07-15-2010

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‡: 3012685-1: Tape sample 21007001-9-TL30LS				
Moderate	Very few	None	Moderate amounts of dark amorphous particles detected, not biological in appearance.	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, Mr. Larry Sandhu
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 21007001 - 8 & 9
EML ID: 679304

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 07-15-2010

Service SOPs: Spore trap analysis (1038)

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. Larry Sandhu
Re: 21007001 - 8 & 9

Date of Sampling: 07-14-2010
Date of Receipt: 07-15-2010
Date of Report: 07-15-2010

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21007001-8-TM26OUTLS		21007001-8-TM27LS	
Comments (see below)	None		None	
Lab ID-Version‡:	3012686-1		3012687-1	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13		
Arthrinium				
Ascospores*	1	53		
Aureobasidium				
Basidiospores*	14	750		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium	1	13		
Cladosporium	30	1,600	1	53
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora	1	13		
Oidium	4	53		
Other colorless				
Penicillium/Aspergillus types†	15	800		
Pithomyces	1	13		
Rusts*	4	53		
Smuts*, Periconia, Myxomycetes*	8	110		
Stachybotrys				
Stemphylium	1	13		
Torula	7	93		
Ulocladium				
Zygomycetes				
Background debris (1-4+)††	4+		2+	
Hyphal fragments/m3	320		< 13	
Pollen/m3	67		< 13	
Skin cells (1-4+)	< 1+		1+	
Sample volume (liters)	75		75	
§ TOTAL SPORES/m3		3,600		53

Comments:

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

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

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



Report for:

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

Regarding: Project: 21007001 - 8 & 9
EML ID: 678913

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-14-2010

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

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. Larry Sandhu
Re: 21007001 - 8 & 9

Date of Sampling: 07-14-2010
Date of Receipt: 07-14-2010
Date of Report: 07-14-2010

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‡: 3011067-1: Tape sample 21007001-9-TL21LS				
Moderate	Very few	None	Moderate amounts of dark amorphous particles detected, not biological in appearance.	Normal trapping
Lab ID-Version: 3011068-1: Tape sample 21007001-9-TL22LS				
Moderate	Very few	None	Moderate amounts of dark amorphous particles detected, not biological in appearance.	Normal trapping
Lab ID-Version: 3011069-1: Tape sample 21007001-9-TL23LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3011070-1: Tape sample 21007001-9-TL24LS				
Moderate	Very few	None	Moderate amounts of dark amorphous particles detected, not biological in appearance.	Normal trapping
Lab ID-Version: 3011071-1: Tape sample 21007001-9-TL25LS				
Moderate	Very few	None	Moderate amounts of dark amorphous particles detected, not biological in appearance.	Normal trapping
Lab ID-Version: 3011072-1: Tape sample 21007001-9-TL26LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3011073-1: Tape sample 21007001-9-TL27LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3011074-1: Tape sample 21007001-9-TL28LS				
Light	Very few	None	None	Normal trapping

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 3011075-1: Tape sample 21007001-9-TL29LS				
Moderate	Very few	None	Moderate amounts of dark amorphous particles detected, not biological in appearance.	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, Mr. Larry Sandhu
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 21007001 - 8 & 9
EML ID: 678913

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Spore trap analysis: 07-14-2010

Service SOPs: Spore trap analysis (1038)

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. Larry Sandhu
 Re: 21007001 - 8 & 9

Date of Sampling: 07-14-2010
 Date of Receipt: 07-14-2010
 Date of Report: 07-14-2010

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21007001-8-TM21OUTLS		21007001-8-TM22LS		21007001-8-TM23LS		21007001-8-TM24LS		21007001-8-TM25LS	
Comments (see below)	A		None		None		None		None	
Lab ID-Version‡:	3011076-1		3011077-1		3011078-1		3011079-1		3011080-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13								
Arthrinium										
Ascospores*	5	270								
Aureobasidium										
Basidiospores*	14	750			1	53				
Bipolaris/Drechslera group										
Botrytis										
Chaetomium	1	13								
Cladosporium	11	590	3	160	1	53	2	110	1	53
Curvularia										
Epicoccum										
Fusarium										
Myrothecium										
Nigrospora										
Oidium									1	13
Penicillium/Aspergillus types†	16	370			2	110				
Pithomyces										
Rusts*										
Smuts*, Periconia, Myxomycetes*	6	80	2	27						
Stachybotrys										
Stemphylium										
Torula	1	13								
Ulocladium										
Zygomycetes										
Background debris (1-4+)††	2+		4+		3+		3+		1+	
Hyphal fragments/m3	80		< 13		13		13		< 13	
Pollen/m3	67		< 13		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		< 1+		< 1+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75		75	
§ TOTAL SPORES/m3		2,100		190		210		110		67

Comments: A) 12 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 sample volumes when evaluating dust levels.

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



Report for:

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

Regarding: Project: 21007001 - 8 & 9
EML ID: 681702

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-21-2010

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

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. Larry Sandhu
 Re: 21007001 - 8 & 9

Date of Sampling: 07-21-2010
 Date of Receipt: 07-21-2010
 Date of Report: 07-21-2010

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‡: 3023562-1: Tape sample 21007001-9-TL31LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3023563-1: Tape sample 21007001-9-TL32LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3023564-1: Tape sample 21007001-9-TL33LS				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3023565-1: Tape sample 21007001-9-TL34LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3023566-1: Tape sample 21007001-9-TL35LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3023567-1: Tape sample 21007001-9-TL36LS				
Moderate	Very few	None	None	Normal trapping

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



Report for:

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

Regarding: Project: 21007001 - 8 & 9
EML ID: 681702

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 07-21-2010

Service SOPs: Spore trap analysis (1038)

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, Mr. Larry Sandhu
 Re: 21007001 - 8 & 9

Date of Sampling: 07-21-2010
 Date of Receipt: 07-21-2010
 Date of Report: 07-21-2010

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21007001-8-TM31OUTLS		21007001-8-TM32LS		21007001-8-TM33LS		21007001-8-TM34LS		21007001-8-TM35LS	
Comments (see below)	None		None		A		A		None	
Lab ID-Version‡:	3023568-1		3023569-1		3023570-1		3023571-1		3023572-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria										
Arthrinium										
Ascospores*										
Aureobasidium										
Basidiospores*	12	640								
Bipolaris/Drechslera group										
Botrytis										
Chaetomium										
Cladosporium	16	850	1	53					1	53
Curvularia										
Epicoccum										
Fusarium										
Myrothecium										
Nigrospora										
Other colorless										
Penicillium/Aspergillus types†			1	53						
Pithomyces										
Rusts*	6	80								
Smuts*, Periconia, Myxomycetes*	25	330								
Stachybotrys										
Stemphylium										
Torula	2	27								
Ulocladium										
Zygomycetes										
Background debris (1-4+)††	2+		1+		1+		1+		1+	
Hyphal fragments/m3	93		< 13		< 13		< 13		< 13	
Pollen/m3	80		< 13		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		< 1+		< 1+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75		75	
§ TOTAL SPORES/m3		1,900		110		< 13		< 13		53

Comments: A) No spores detected.

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

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

†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for 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, Mr. Larry Sandhu
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 21007001 - 8 & 9
EML ID: 685068

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 07-30-2010

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

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, Mr. Larry Sandhu
 Re: 21007001 - 8 & 9

Date of Sampling: 07-30-2010
 Date of Receipt: 07-30-2010
 Date of Report: 07-30-2010

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‡: 3038737-1: Tape sample 21007001-9-TL61LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3038738-1: Tape sample 21007001-9-TL62LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3038739-1: Tape sample 21007001-9-TL63LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3038740-1: Tape sample 21007001-9-TL64LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3038741-1: Tape sample 21007001-9-TL65LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3038742-1: Tape sample 21007001-9-TL66LS				
Light	Very few	None	None	Normal trapping
Lab ID-Version: 3038743-1: Tape sample 21007001-9-TL67LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3038744-1: Tape sample 21007001-9-TL68LS				
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, Mr. Larry Sandhu
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 21007001 - 8 & 9
EML ID: 685068

Approved by:

Lab Manager
Malcolm Moody

REVISED REPORT

Dates of Analysis:
Spore trap analysis: 08-02-2010

Service SOPs: Spore trap analysis (1038)

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, Mr. Larry Sandhu
Re: 21007001 - 8 & 9

Date of Sampling: 07-30-2010
Date of Receipt: 07-30-2010
Date of Report: 07-30-2010

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21007001-8-TM61OUTLS		21007001-8-TM62LS		21007001-8-TM63LS		21007001-8-TM64LS		21007001-8-TM65LS	
Comments (see below)	None		A		A		None		A	
Lab ID-Version‡:	3038732-2		3038733-2		3038734-2		3038735-2		3038736-2	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria										
Arthrinium										
Ascospores*	11	590								
Aureobasidium										
Basidiospores*	45	2,400					1	53		
Bipolaris/Drechslera group										
Botrytis										
Chaetomium										
Cladosporium	7	370								
Curvularia										
Epicoccum										
Fusarium										
Myrothecium										
Nigrospora										
Other colorless										
Penicillium/Aspergillus types†	1	53								
Pithomyces										
Rusts*										
Smuts*, Periconia, Myxomycetes*	5	67								
Stachybotrys										
Stemphylium										
Torula	2	27								
Ulocladium										
Zygomycetes										
Background debris (1-4+)††	2+		1+		1+		1+		1+	
Hyphal fragments/m3	13		< 13		< 13		< 13		< 13	
Pollen/m3	27		< 13		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		< 1+		< 1+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75		75	
§ TOTAL SPORES/m3		3,500		< 13		< 13		53		< 13

Comments: A) No spores detected.

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

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

†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for 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, Mr. Larry Sandhu
Hygiene Technologies International, Inc.: Northern California
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 21007001 - 8 & 9
EML ID: 687482

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Direct microscopic exam (Qualitative): 08-05-2010

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

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. Larry Sandhu
 Re: 21007001 - 8 & 9

Date of Sampling: 08-05-2010
 Date of Receipt: 08-05-2010
 Date of Report: 08-05-2010

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‡: 3049010-1: Tape sample 21007001-9-TL69LS				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3049011-1: Tape sample 21007001-9-TL70LS				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 3049012-1: Tape sample 21007001-9-TL71LS				
Heavy	Very few	None	None	Normal trapping
Lab ID-Version: 3049013-1: Tape sample 21007001-9-TL72LS				
Moderate	Very few	None	None	Normal trapping

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



Report for:

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

Regarding: Project: 21007001 - 8 & 9
EML ID: 687482

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:

Spore trap analysis: 08-05-2010

Service SOPs: Spore trap analysis (1038)

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. Larry Sandhu
Re: 21007001 - 8 & 9

Date of Sampling: 08-05-2010
Date of Receipt: 08-05-2010
Date of Report: 08-05-2010

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21007001-8-TM66OUTLS		21007001-8-TM67LS		21007001-8-TM68LS		21007001-8-TM69LS		21007001-8-TM70LS	
Comments (see below)	None		None		None		None		None	
Lab ID-Version‡:	3049014-1		3049015-1		3049016-1		3049017-1		3049018-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	3	40								
Arthrinium										
Ascospores*	2	110								
Aureobasidium										
Basidiospores*	5	270			1	53				
Bipolaris/Drechslera group	1	13								
Botrytis										
Chaetomium	4	53								
Cladosporium	31	1,700	1	53						
Curvularia										
Epicoccum										
Fusarium										
Nigrospora										
Oidium	1	13								
Other brown	2	27								
Penicillium/Aspergillus types†	2	110								
Pithomyces										
Rusts*	1	13								
Smuts*, Periconia, Myxomycetes*	19	250	1	13	1	13				
Stachybotrys										
Stemphylium	1	13								
Torula	1	13								
Ulocladium										
Background debris (1-4+)††	3+		2+		3+		2+		3+	
Hyphal fragments/m3	190		< 13		< 13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		1+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75		75	
§ TOTAL SPORES/m3		2,600		67		67		< 13		< 13

Comments:

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

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

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

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

‡ A "Version" 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.



Request For Analysis

Project Number/Purchase Order: 21007001-889 Date Submitted: 7/8/10
 Project Contact: L. Sanderson (w. Gray) Turnaround Required: Rush (Same day)
 Lab Destination: EM LAB Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
21007001-889 TMO2LS	7.5L	Amies-Cat @ 25°C	Spectrap
↓ TMO3LS	↓	↓	↓
↓ TMO4LS	↓	↓	↓
↓ TMO5LS	↓	↓	↓
21007001-889 TLO1LS	N/A	Tape	Direct exam (qualitative)
↓ TLO2LS	↓	↓	↓
↓ TLO3LS	↓	↓	↓
↓ TLO4LS	↓	↓	↓
↓ TLO5LS	↓	↓	↓
↓ TLO6LS	↓	↓	↓
↓ TLO7LS	↓	↓	↓
↓ TLO8LS	↓	↓	↓
↓ TLO9LS	↓	↓	↓
↓ TLO10LS	↓	↓	↓

Special Instructions: ATM Phy SE core containment CTX

1. Sampled by: L. Sanderson 7/8/10 @ 9:49 Received by: _____
 2. Relinquished by: L. Sanderson 7/8/10 @ 11:00 Received by: [Signature] 7/8/10 11AM
 3. Relinquished by: _____ Received by: _____

Please include signature, date, and time

Lab Use Only:



HYGIENE TECH



100677964

Hygiene Technologies International, Inc.

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

Request For Analysis

Project Number/Purchase Order: 21007001-889 Date Submitted: 7/12/10
 Project Contact: L. Scandhu / W. Bray Turnaround Required: RTN (same day)
 Lab Destination: EMLAB Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
21007001-8 TM11LS	75L	Airco-Cell	SPORO TOAP
TM12LS	↓	↓	↓
TM13LS	↓	↓	↓
TM14LS	↓	↓	↓
TM15LS	↓	↓	↓
TM16LS	↓	↓	↓
TM17LS	↓	↓	↓
TM18 ^{OUT} LS	↓	↓	↓
21007001-9 TL11LS	HIA	TAP	Direct Exam (Qualitative)
TL12LS	↓	↓	↓
TL13LS	↓	↓	↓
TL14LS	↓	↓	↓
TL15LS	↓	↓	↓
TL16LS	↓	↓	↓
TL17LS	↓	↓	↓

Special Instructions: 8 hr Black Storage SB + H2O2 Cure Container (x2)
LAB SAMPLE

1. Sampled by: Scandhu on 7/12/10 @ 7:29 Received by: _____
 2. Relinquished by: Scandhu on 7/12/10 @ 9:30 Received by: JW 7/12/10 9:30AM
 3. Relinquished by: _____ Received by: _____
 Please include signature, date, and time

Lab Use Only:



Request For Analysis

Project Number/Purchase Order: 21007001-889 Date Submitted: 7/14/10
 Project Contact: L. Sandhu (at) Exo Turnaround Required: EV6 (same day)
 Lab Destination: ZMLAB Lab Contact: Sample RECEIVING

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
21007001-8 TM21LS	7.5L	APCO-Cell	SPIN & P
TM22LS	↓	↓	↓
TM23LS	↓	↓	↓
TM24LS	↓	↓	↓
↓ TM25LS	↓	↓	↓
21007001-9 TL21LS	N/A	TA PC	Direct Exam (Qualitative)
TL22LS	↓	↓	↓
TL23LS	↓	↓	↓
TL24LS	↓	↓	↓
TL25LS	↓	↓	↓
TL26LS	↓	↓	↓
TL27LS	↓	↓	↓
TL28LS	↓	↓	↓
↓ TL29LS	↓	↓	↓

Special Instructions: 8th floor NW Corb Containment Clearance

1. Sampled by: [Signature] on 7/14/10 @ 7:44 Received by: _____
 2. Relinquished by: [Signature] on 7/14/10 @ 9:15 Received by: [Signature] on 7/14/10 @ 9:15
 3. Relinquished by: [Signature] on 7/14/10 @ 9:40 Received by: [Signature] on 7/14/10 @ 9:40
 Please include signature, date, and time

Lab Use Only:



HYGIENE TECH

Hygiene Technologies International, Inc.



000681702

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

Request For Analysis

Project Number/Purchase Order: 21907001-8 & 9 Date Submitted: 7/21/10
 Project Contact: L. Sandhu / w. Goby Turnaround Required: ASAP (Some day)
 Lab Destination: TRANS LAB Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
21907001-8 TM312LS	7.5 L	APX 2 cell	SPICE TOP
↓ TM32LS	↓	↓	↓
↓ TM33LS	↓	↓	↓
↓ TM34LS	↓	↓	↓
↓ TM35LS	↓	↓	↓
21907001-9 TL31LS	N/A	Tape	Direct Exam (Qualitative)
↓ TL32LS	↓	↓	↓
↓ TL33LS	↓	↓	↓
↓ TL34LS	↓	↓	↓
↓ TL35LS	↓	↓	↓
↓ TL36LS	↓	↓	↓

Special Instructions: 5th floor N. quadrant CLR

1. Sampled by: [Signature] on 7/21/10 @ 11:00 Received by: _____
 2. Relinquished by: [Signature] on 7/21/10 @ 13:15 Received by: [Signature] on 7/21/10 at 1:55 PM
 3. Relinquished by: _____ Received by: _____
 Please include signature, date, and time

Lab Use Only:



Request For Analysis

Project Number/Purchase Order: 21007vol-889 Date Submitted: 07/30/10Project Contact: L. Sandham / W. Frey Turnaround Required: Business dayLab Destination: EMLAB Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
21007vol-8 TM61LS	7.5 L	Appo Cell	Spore Trap
TM62LS	:	↓	↓
TM63LS	:	↓	↓
TM64LS	:	↓	↓
TM65LS	↓	↓	↓
21007vol-9 TL61LS	N/A	Tape	Direct Exam Qualitative
TL62LS	↓	↓	↓
TL63LS	↓	↓	↓
TL64LS	↓	↓	↓
TL65LS	↓	↓	↓
TL66LS	↓	↓	↓
TL67LS	↓	↓	↓
TL68LS	↓	↓	↓

Special Instructions: 8th flr SE quadrant clean up

1. Sampled by: # Sandham on 7/30/10 @ 7:20 Received by: _____

2. Relinquished by: # Sandham on 7/30/10 @ 9:30 Received by: W 7/30/10 9:30 AM

3. Relinquished by: _____ Received by: _____

Please include signature, date, and time

Lab Use Only:



Request For Analysis

Project Number/Purchase Order: 21007001-8, 89 Date Submitted: 8/5/10
 Project Contact: L. Sanchez / W. Gray Turnaround Required: Rush (same day)
 Lab Destination: EMLAB Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
21007001-8 TM6601LS	75L	Accro-cell	Spartan Trap
↓ TM67LS	↓	↓	↓
↓ TM68LS	↓	↓	↓
↓ TM69LS	↓	↓	↓
↓ TM70LS	↓	↓	↓
21007001-9 TL69LS	H/A	Tape	Direct Exam (Qualitative)
↓ TL70LS	↓	↓	↓
↓ TL71LS	↓	↓	↓
↓ TL72LS	↓	↓	↓

Special Instructions: 8th floor SW quadrant CLR

1. Sampled by: [Signature] 8/5/10 @ 12:38 Received by: _____
 2. Relinquished by: [Signature] 8/5/10 @ 13:45 Received by: [Signature] 8/5/10 1:45 PM
 3. Relinquished by: _____ Received by: _____
 Please include signature, date, and time

Lab Use Only: