Adelaide
ENVIRONMENTAL HEALTH

1511 Route 22, Suite C24
Brewster, NY 10509 845.278.7710
90 State Street, Suite 700
Albany, NY 12207 518.874.0617
1967 Wehrle Drive, Suite One
Buffalo, NY 14221 716.402.4580
E-mail: adelaidemail@adelaidellc.com
Fax: 845.278.7750

INDOOR AIR QUALITY ASSESSMENT
AND
MOLD REMEDIATION PLAN

PERFORMED AT:

Paideia School 15
175 Westchester Avenue
Yonkers, New York 10707
Adelaide Project# YONK:18392.00-AQ

PREPARED FOR:

Yonkers Public Schools
One Larkin Center
Yonkers, New York 10701

PREPARED BY:
Jason Fullum
September 25, 2018
September 26, 2018 Amended

REVIEWED BY:

Stephanie A. Soter
President

TABLE OF CONTENTS

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Environmental Health Associates, Inc.

1511 Route 22, Suite C24
Brewster, NY 10509 845.278.7710
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APPENDICES

1.0 Introduction

1.1 Scope of Work / Project Personnel

Adelaide Environmental Health Associates, Inc. **(Adelaide)** performed an Indoor Air Quality Assessment, in conformance with ALL Federal, State and Local regulations, on September 21, 2018 for Yonkers Public Schools (YPS) throughout Paideia School 15, 175 Westchester Avenue, Yonkers, New York 10707. The assessment included 1) a visual inspection/assessment throughout accessible interior spaces of the building/structure identified to be affected by Yonkers Public Schools; and, 2) collecting of various air, tape, swab and/or bulk sample(s) at the discretion of the mold assessor. Certified **Adelaide** personnel (Appendix D), Philip J. Page (NYS Mold Assessor/Cert. #MA00990) and Jason Fullum (NYS Mold Assessor/Cert.#MA00056), performed the visual assessment throughout affected area(s) identified.

On September 24, 2018 certified Adelaide peronnel (Appendix D), Robert See (NYS Mold Assessor/Cert.#MA00453) performed an additional inspection on the diffusers throughout the school.

1.2 Executive Summary

Following the scope of work that was provided to us, **Adelaide** performed an indoor air quality assessment of the 1st, 2nd and 3rd floors where YPS had concerns due to roof leaks and condensate pipes sweating on top of ceilings. **Adelaide** collected twenty five (25) air samples, four (4) bulk samples and ten (10) tape samples from the above-mentioned area(s). For testing locations, refer to the sample location map (Appendix A).

On September 24, 2018 Adelaide performed additional inspection work on the diffusers throughout the building. Adelaide collected twenty five (25) tape samples. For testing locations, refer to the sample location map (Appendix A).

1.2.1 Conclusions and Recommendations

The following conclusions and recommendations are prepared by **Adelaide** as per the provided scope of work. Should the scope of work change, it is recommended that the findings be revisited to determine if additional sampling will be required to satisfy ALL Federal, State and Local regulations.

1.2.2 Indoor Air Quality

Stachybotrys/Memnoniella has been found in the air in rooms 107, 305 and the hallway outside room 301. Stachybotrys/Memnoniella has been found on tape samples and bulk samples in rooms 107, 109, hallway outside room 301, 303, 305 and hallway outside room 306.

The diffusers have many different types of mold on them with the majority being Cladosporium ranging from rare to high amounts.

1.2.3 Remediation Plan

The following mold remediation plan should be implemented:

1) **Area(s) to be Remediated**

- Basement – Select Areas
- First Floor Throughout
- Second Floor Throughout
- Third Floor Throughout
- Diffusers and Ductwork
- Unit Ventilators

2) Quantities to be Remediated

- Quantities will be determined during further investigations as the remediation continues for known mold areas. Areas will be marked out that have water staining, have recently been repaired due to water infiltration or are currently damaged by water. A general cleaning will be performed by the mold abatement contractor after all of the affected areas have been remediated using an EPA approved anti-microbial disinfectant.

3) Methods for Remediation

- Signage and Caution tape should be utilized to restrict access to remediation work area(s).
- A personal/waste decontamination system enclosure be constructed.
- A containment of the remediation area be established with an air exchange unit (negative pressure) being utilized inside the remediation area(s).
- Removal and bagging of mold contaminated materials to be disposed of properly.
- Cleaning of the remediation area with an EPA approved anti-microbial disinfectant.
- Where applicable, use HEPA-filtered air scrubbers to filter the air within the space/room.

4) Personal Protective Equipment

➢ Personal protective equipment should be used both during the containment construction as well as during the remediation phase of the project and at a minimum should consist of the following:

- Respirator
- Eye protection
- Gloves
- Disposable Tyvek suit

5) Basement Remediation (Approximately 3-4 shifts)

- Attach a zippered airlock to the basement door, prior to entering.
- Utilize an air exchange unit (negative pressure), exhausting to the exterior of the building.
- Removal of water damaged pipe insulation to be disposed of as mold contaminated.
- Once mold contaminated materials and contents have been removed and disposed of; and non-porous contents cleaned and removed; a thorough cleaning with an EPA approved anti-microbial disinfectant of the entire basement needs to be performed.

6) First through Third Floor Remediation (Approximately 7-10 shifts)

- Establish containment of the third floor and rooms 107 and 109 on the first floor with an air exchange unit (negative pressure) being utilized inside the remediation area, exhausting to the exterior of the building.
- Removal of mold contaminated ceiling components utilizing tents to prevent further release

of mold spores.

- Removal of materials that are water stained, have been recently repaired due to water infiltration or are currently damaged by water to be disposed of as mold contaminated.
- On third floor only all loose paperwork will be disposed of as mold contaminated. All books will be HEPA vacuumed and left in place.
- All of the diffusers will be removed and cleaned. The associated ductwork will be fogged with an EPA approved cleaner to kill all mold that may be located on the interior. The unit ventilators will be cleaned using an EPA approved cleaner and HEPA vacuuming.
- Once mold contaminated materials and contents have been removed and disposed of a thorough cleaning with an EPA approved anti-microbial disinfectant needs to be performed throughout the space.

7) Clearance Criteria

- Visual inspection by mold assessor after mold has been remediated per floor.
- Air sampling will be performed in every room to determine that the mold techniques that were utilized were effective in controlling and removing the mold that is present once all work is complete prior to giving occupancy back to the District.

8) Remediation Cost Estimate & Duration

- Based on the assessment and remediation plan provided, the projected cost of remediation would likely be in the range of $200,000 and $250,000. **Adelaide** provides this cost estimate for budgeting purposes only, and recommends getting a more accurate cost estimate from a NYS licensed Mold Contractor. The duration of remediation activities will take approximately 10 to 14 shifts.

It will be at the discretion of the mold assessor, during remediation activities, to change and/or alter the above mold remediation plan.

1.3 Observations

The following observations were made during the assessment:

- There were roof leaks on the third floor with some of them extending down to the second floor.
- The condensate pipes for the heating system are sweating on ceilings throughout much of the spaces.

2.0 Sampling Methodology

Yeasts and Molds:

Adelaide uses 14.4mm, .37 micron Air-O-Cell cassettes at 15.0L/min to sample airborne mold. Samples of unused filters, handled in the same manner as the sample cassettes, are analyzed as blanks to ensure no contamination was from the process of taking the sample.

The filters from the samples are then diluted and redeposited on malt extract agar (for fungi and mold) and tryptic soy agar (for bacteria). The agar is then incubated from four to seven days. The growth is both counted and identified. This is very important. "Counts", alone, are only half the story. The other half is

whether the mold present is an opportunistic pathogen or just an allergen. Yeast and mold concentrations vary outdoors based on rainfall, temperature, vegetation, soil disturbance, wind and other factors. There are no "regulatory standard" methods at this time. The method used was provided by Dr. Chin Yang, Consulting Mycologist, formerly with the U.S. Public Health Service, Division of Federal Occupational Health.

Bulk samples collected are sent to the laboratory in a 4 mil poly bag. The sample(s) received by the laboratory are matched with the information provided on the Chain of Custody (COC). A laboratory Identification Number is assigned and the project and sample information is logged. Analysis begins with an inspection of the bulk material and any areas of discoloration or potential fungal presence are noted. Clear tape is used to take representative samples from the material and the tape(s) are reviewed microscopically and any detected fungi are identified and estimated amounts are noted in our reporting system.

In evaluating **microbiological** test data (air samples, wipes, swipes, vacuum swipes, swabs, etc.), there are several assumptions and guidelines we follow, and we list them below:

1. Our reference guide for interpreting microbiological analytical results is the *Proceedings of the International Conference of Fungi and Bacteria in Indoor Air Environments*, Edited by Drs. Eckardt Johanning and Chin S. Yang. Additional references include:

a. *Aerobiology*, edited by Muilenberg and Burge, CRC Press (1996)
b. *Field Guide for the Determination of Biological Contaminants in Environmental Samples*, Dillon, Heinsohn, Miller, AIHA Publications (1996)
c. *Biosafety Reference Manual*, Heinsohn, Jacobs, Concoby, AIHA Publications (1995)
d. *Indoor Air and Human Health*, Gammage, Kaye, Lewis Publishers, (1985)
e. *Indoor Air and Human Health Second Edition*, Gammage, Berven, CRC Press (1996)

2. The values we use to interpret **air sample data** was provided by Dr. Chin Yang. He is a consulting Mycologist, and presently performs consulting work for the U.S. Public Health Service concerning Bioaerosols and Indoor Air Quality.

Low:	0 to 100 CFU/m3 (limited or no effect level)
Moderate:	100 to 250 CFU/M3 (minor effect level; persons with hypersensitivity, allergies or immunosuppressed may experience an "effect".)
High:	250 to 1000 CFU/m3 (effect level for the average or normal healthy adult; the effects vary from minor discomfort to lost job time)
Very High:	1000 CFU/m3 and above (noticeable odor, growth, illness etc.; a decontamination strategy is normally required.)

The levels are guideline levels. There is NO law or legal requirement to do anything based on the above levels. They are OPINIONS.

3. Why perform microbiological testing if it is so inaccurate, the data is subject to "opinion", and there is no legal requirement? Again, all we can offer is another opinion. When it comes to a person's health and well-being, we like having as much data as possible to determine if a person is "at risk" from the conditions in the workplace. Microbiological testing provides enough data to determine if there is a potential risk from exposure to bioaerosols. When the numbers are above "low", you then take into account the individuals affected, i.e., their medical history, and make a judgment.

Although bodies such as the ACGIH do not give numerical guidelines, a Canadian guide on office buildings based on five years of investigation of 50 air-conditioned federal government buildings (Nathanson, 1993) includes some guidance on numbers. The following are the main points:

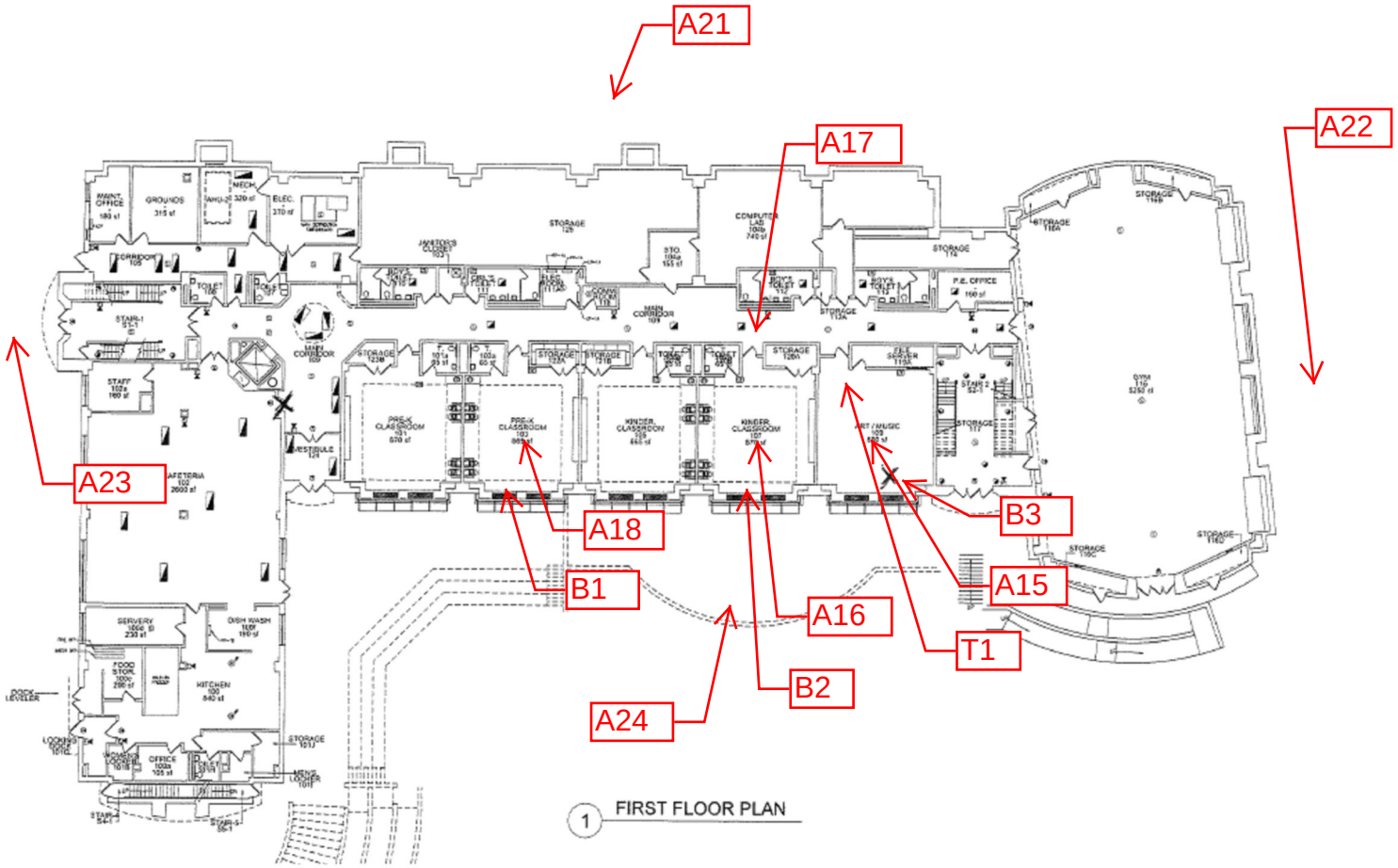
a. The "normal" air flora should be quantitatively lower than, but qualitatively similar to, that of outdoor air.
b. The presence of one or more fungal species at significant levels in indoor but not outdoor samples is evidence of an indoor amplifier.
c. Pathogenic fungi such as Aspergillus fumigatus, Histoplasma and Cryptococcus should not be present in significant numbers.
d. The persistence of toxigenic molds such as Stachybotrys atra and Aspergillus versicolor in significant numbers requires investigation /action.
e. More than 50 CFU/m^3 (10,000 CFU/g) may be of concern if there is only a single species present (other than certain common outdoor phylloplane fungi); up to 150 CFU/m^3 (30,000 CFU/g) is acceptable if the species present reflect the flora outdoors; up to 500 CFU/m^3 (50,000) is acceptable in summer if outdoor leaf-inhabiting fungi are the main components.

3.0 Disclaimers

Adelaide certifies that the information contained within this report is based solely upon site observations and the results of laboratory analysis for samples collected during this survey/assessment. These observations and results are time dependent, subject to changing site conditions and revisions to Federal, State and Local regulations. **Adelaide** warrants that these findings have been promulgated after being prepared in general accordance with generally accepted practices in the abatement industries. **Adelaide** also recognizes that inspection laboratory data is not usually sufficient to make all abatement and management decisions. No other warranties are expressed or implied.

APPENDIX A

SAMPLE LOCATION MAP(S)



First Floor Key Plan - Sample Locations

Drawing Not to Scale

Paideia School 15
175 Westchester Avenue
Yonkers, New York 10707

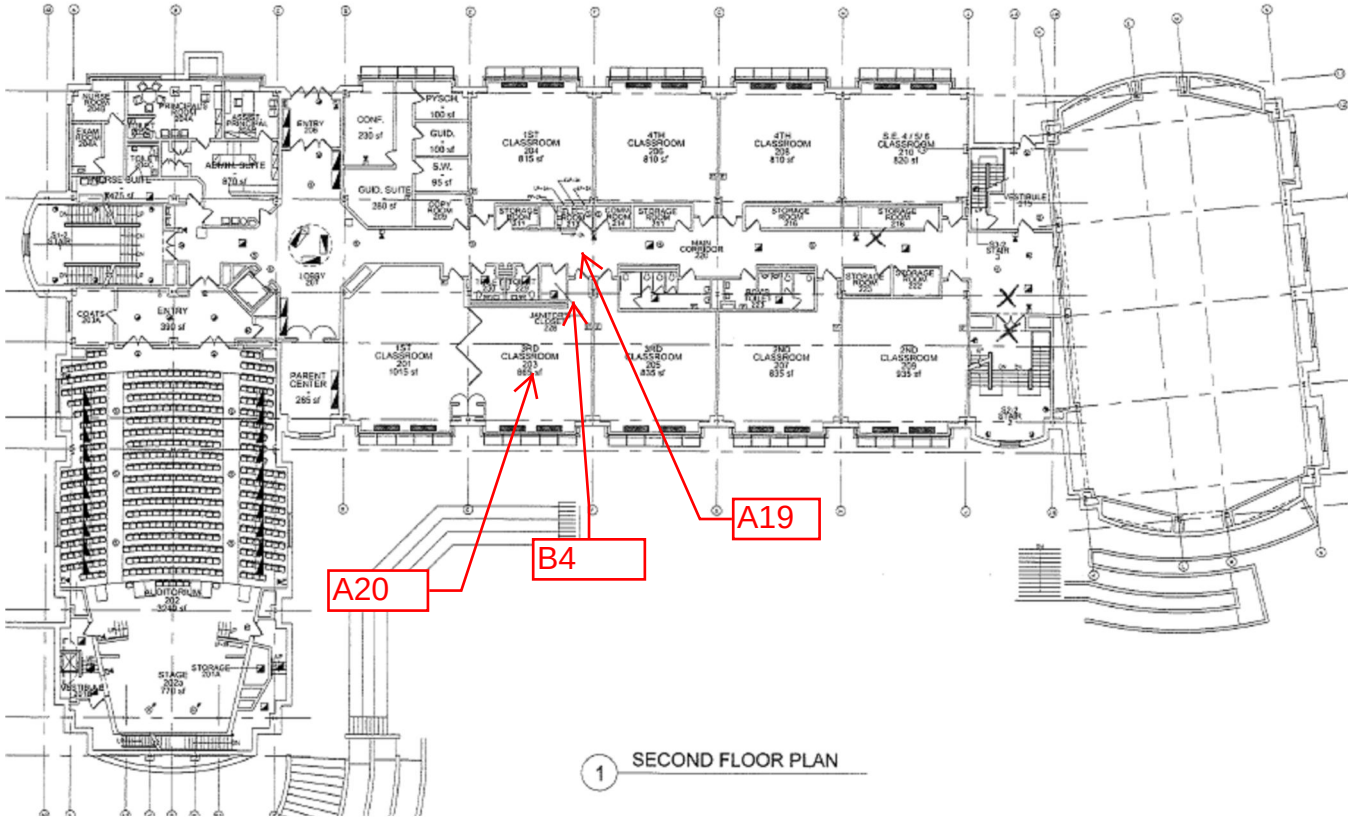
Yonkers Public Schools
One Larkin Center
Yonkers, New York 10701

Client Project No.

Adelaide
Environmental Health Associates, Inc.
1511 Route 22
Brewster, NY 10509
Phone: (845) 278-7710
Fax: (845) 278-7750

Date: 9/25/2018
Version # 1
Issued For: Mold Survey
Adelaide Project NO. YONK:18392.00-AQ
Drawing Prepared By: JPF

SLM -01



Second Floor Key Plan - Sample Locations

Drawing Not to Scale

Paideia School 15
175 Westchester Avenue
Yonkers, New York 10707

Yonkers Public Schools
One Larkin Center
Yonkers, New York 10701

Client Project No.

Adelaide
Environmental Health Associates, Inc.
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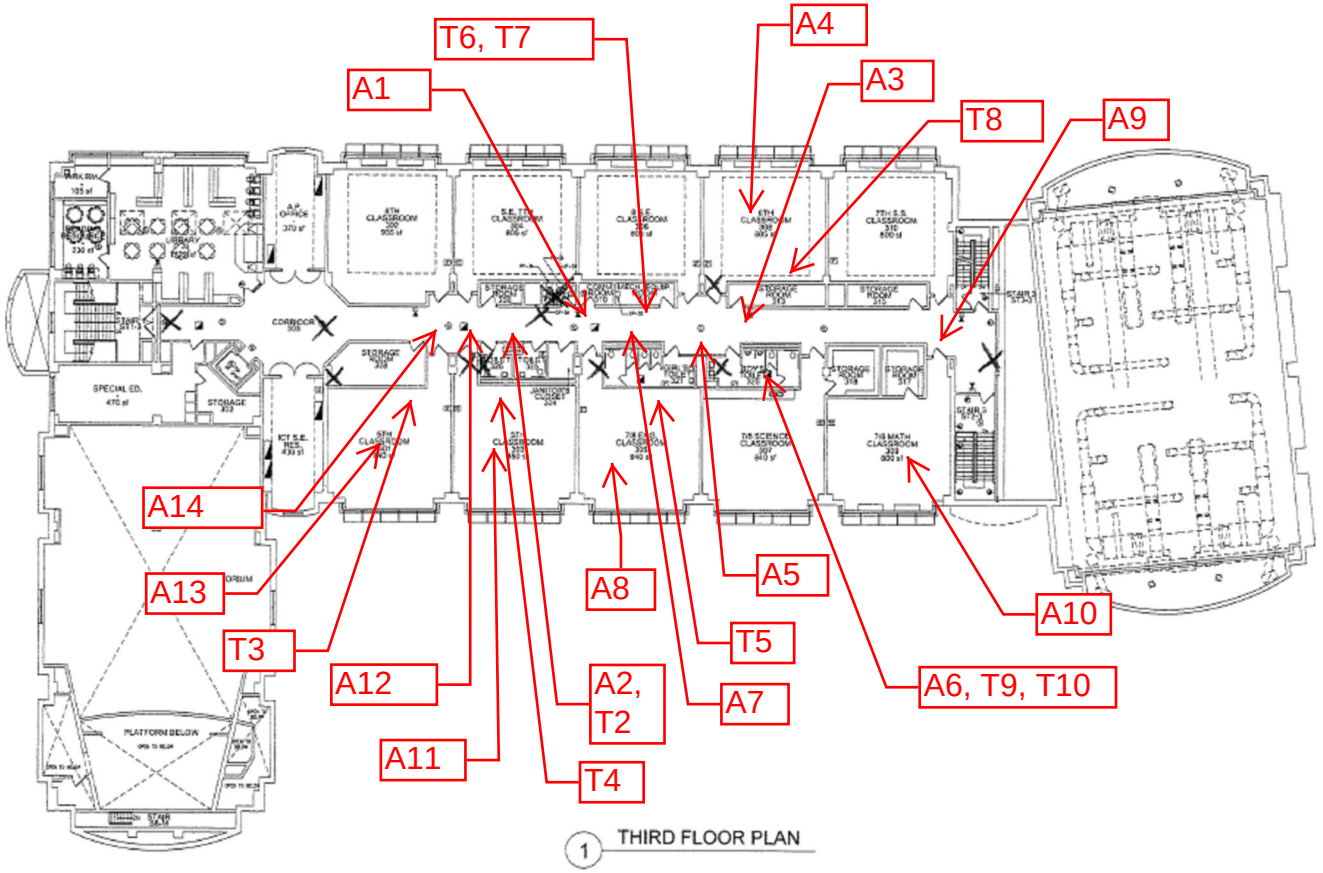
Brewster, NY 10509
Phone: (845) 278-7710
Fax: (845) 278-7750

Date: 9/25/2018
Version # 1
Issued For: Mold Survey
Adelaide Project NO. YONK:18392.00-AQ
Drawing Prepared By: JPF

SLM -02



Third Floor Key Plan - Sample Locations

Drawing Not to Scale

Paideia School 15
175 Westchester Avenue
Yonkers, New York 10707

Yonkers Public Schools
One Larkin Center
Yonkers, New York 10701

Client Project No.

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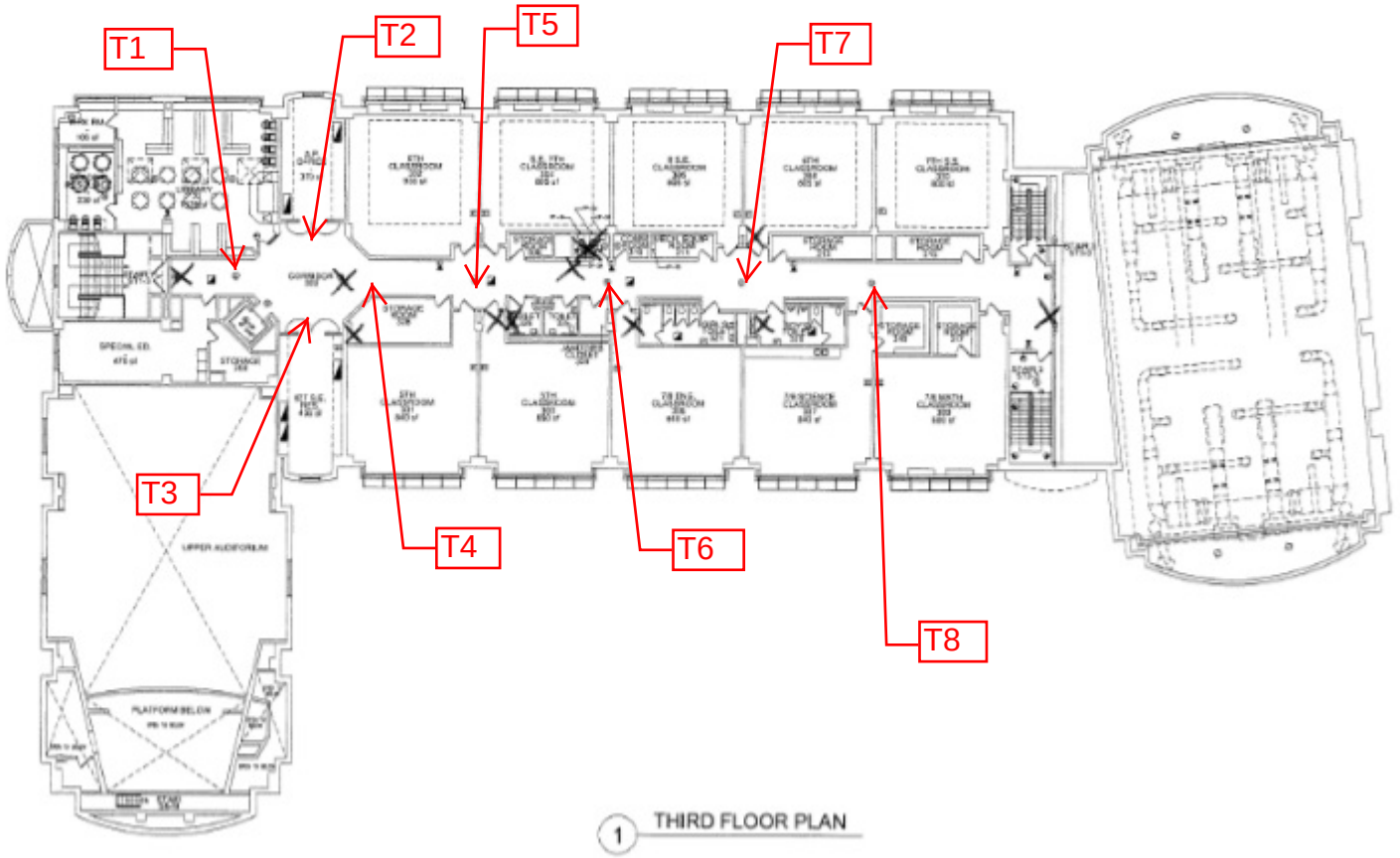
Brewster, NY 10509
Phone: (845) 278-7710
Fax: (845) 278-7750

Date: 9/25/2018
Version # 1
Issued For: Mold Survey
Adelaide Project NO. YONK:18392.00-AQ
Drawing Prepared By: JPF

SLM -03



Samples Taken on 9/24/18

3rd Floor - Sample Location Map

Drawing Not to Scale

Paideia School 15
175 Westchester Avenue
Yonkers, New York 10707

Yonkers Public Schools
One Larkin Center
Yonkers, New York 10701

Adelaide Environmental Health
1511 Route 22
Brewster, NY 10509
Phone: (845)278-7710
Fax: (845)278-7750

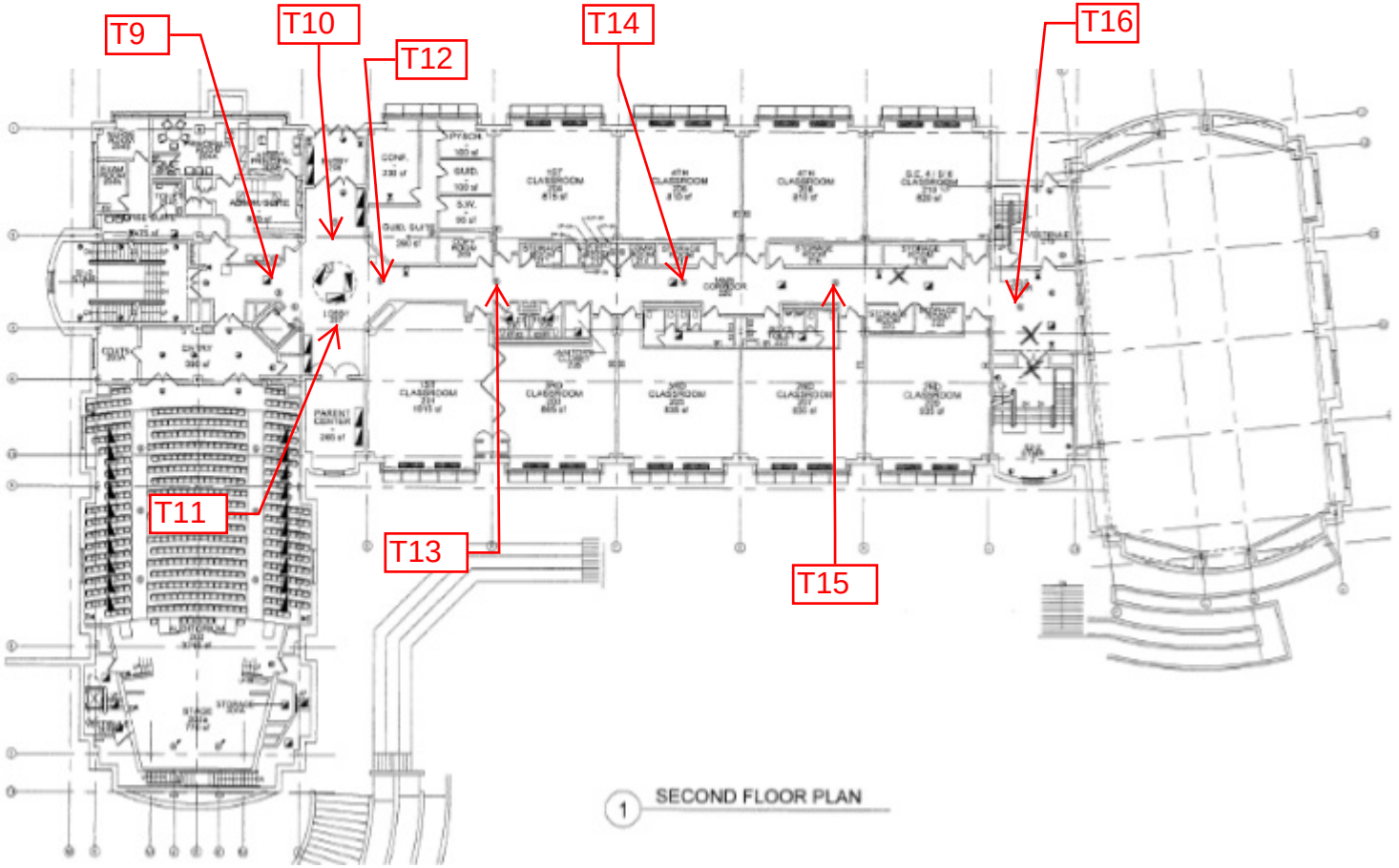
Date: 09-26-2018 **Version #** 1

Issued For: Mold Sample Locatons

Adelaide Project NO. YONK: 18392.00-AQ

Drawing Prepared By: Robert See

SLM-04



2nd Floor - Sample Location Map

Drawing Not to Scale

Samples Taken on 9/24/18

Paideia School 15
175 Westchester Avenue
Yonkers, New York 10707

Yonkers Public Schools
One Larkin Center
Yonkers, New York 10701

Adelaide Environmental Health
1511 Route 22
Brewster, NY 10509
Phone: (845)278-7710
Fax: (845)278-7750

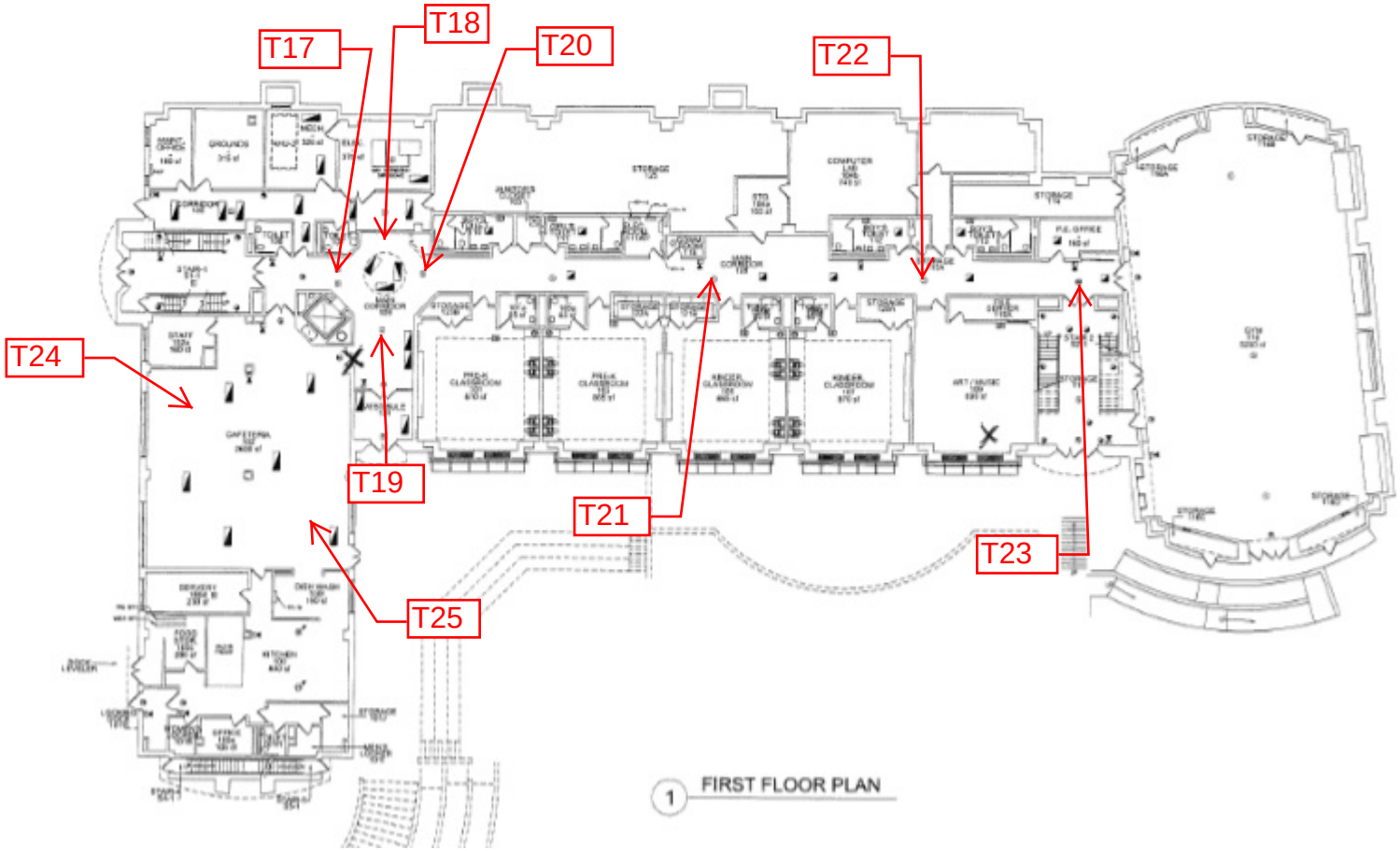
Date: 09-26-2018 **Version #** 1

Issued For: Mold Sample Locatons

Adelaide Project NO. YONK: 18392.00-AQ

Drawing Prepared By: Robert See

SLM-05



Samples Taken on 9/24/18

1st Floor - Sample Location Map

Drawing Not to Scale

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175 Westchester Avenue
Yonkers, New York 10707

Yonkers Public Schools
One Larkin Center
Yonkers, New York 10701

Adelaide Environmental Health
1511 Route 22
Brewster, NY 10509
Phone: (845)278-7710
Fax: (845)278-7750

Date: 09-26-2018 **Version #** 1

Issued For: Mold Sample Locatons

Adelaide Project NO. YONK: 18392.00-AQ

Drawing Prepared By: Robert See

SLM-06

APPENDIX B

ANALYTICAL RESULTS

EMSL Analytical, Inc.
307 West 38th Street New York, NY 10018
Phone/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

Order ID: 031826487
Customer ID: ADEL50
Customer PO:
Project ID:

Attn: Stephanie Soter
Adelaide Associates, LLC
1511 Route 22
Suite C-24
Brewster, NY 10509

Phone: (845) 278-7710
Fax: (845) 278-7750
Collected: 09/24/2018
Received: 09/25/2018
Analyzed: 09/25/2018

Proj: PS 15/ YONK: 18392.01-PM

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Tape Samples (EMSL Method MICRO-SOP-200)

Lab Sample Number:	031826487-0001	031826487-0002	031826487-0003	031826487-0004	031826487-0005
Client Sample ID:	T1	T2	T3	T4	T5
Sample Location:	3RD FLOOR REGISTER 1	3RD FLOOR REGISTER 2	3RD FLOOR REGISTER 3	3RD FLOOR REGISTER 4	3RD FLOOR REGISTER 5
Spore Types	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	Low	Low	Low	Low	Low
Ascospores	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-
Basidiospores	-	-	-	Rare	Rare
Bipolaris++	Rare	Low	Low	Low	Rare
Chaetomium	-	-	-	-	-
Cladosporium	*High*	-	-	*Medium*	Low
Curvularia	Low	Low	Low	Low	Rare
Epicoccum	-	Rare	Low	Rare	Low
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	Low	Low	Low	Low	Low
Pithomyces++	-	Low	Low	Low	-
Rust	-	-	Rare	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	Rare	-	Rare	-
Zygomycetes	-	-	-	-	-
Aureobasidium	-	-	-	-	-
Nigrospora	-	-	-	-	-
Polythrincium	-	-	-	-	-
Spegazzinia	-	-	Rare	-	-
Sporidesmiella	-	-	-	-	-
Sporidesmium-like	-	-	-	-	-
Tetraploa	-	-	Rare	-	-
Torula-like	-	Rare	-	-	-
Hyphal Fragment	Low	Low	-	Low	Rare
Insect Fragment	-	-	-	-	-
Pollen	Rare	Low	Low	Low	Low
Fibrous Particulate	Low	-	-	-	-

Category: Count/per area analyzed - Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

- Denotes Not Detected.
++ = Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.
* = Sample contains fruiting structures and/or hyphae associated with the spores.

Joseph Reynolds

Joseph Reynolds, Lead Technical Manager of Microbiology

No discernable field blank was submitted with this group of samples.

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--EMLAP Accredited #102581

Initial report from: 09/25/2018 18:14:53

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

EMSL Analytical, Inc.
307 West 38th Street New York, NY 10018
Phone/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

Order ID: 031826487
Customer ID: ADEL50
Customer PO:
Project ID:

Attn: Stephanie Soter
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Brewster, NY 10509

Phone: (845) 278-7710
Fax: (845) 278-7750
Collected: 09/24/2018
Received: 09/25/2018
Analyzed: 09/25/2018

Proj: PS 15/ YONK: 18392.01-PM

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Tape Samples (EMSL Method MICRO-SOP-200)

Lab Sample Number:	031826487-0006	031826487-0007	031826487-0008	031826487-0009	031826487-0010
Client Sample ID:	T6	T7	T8	T9	T10
Sample Location:	3RD FLOOR REGISTER 6	3RD FLOOR REGISTER 7	3RD FLOOR REGISTER 8	2ND FLOOR REGISTER 9	2ND FLOOR REGISTER 10
Spore Types	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	Low	Low	Rare	Rare	Low
Ascospores	Rare	Rare	-	-	Low
Aspergillus/Penicillium	-	-	-	-	-
Basidiospores	-	-	Low	-	Low
Bipolaris++	Rare	-	-	Rare	Rare
Chaetomium	-	-	Rare	-	-
Cladosporium	-	Rare	Rare	*Medium*	*Medium*
Curvularia	Rare	Rare	Low	Low	Rare
Epicoccum	Low	Low	Low	Low	Low
Fusarium	-	-	-	-	-
Ganoderma	Rare	-	-	-	-
Myxomycetes++	Low	Medium	Low	Low	Medium
Pithomyces++	-	Rare	Rare	Low	Low
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	Rare	Rare	-	Rare
Zygomycetes	-	-	-	-	-
Aureobasidium	-	Rare	-	Rare	-
Nigrospora	-	Low	Rare	-	-
Polythrincium	-	-	-	-	-
Spegazzinia	-	-	-	-	-
Sporidesmiella	-	-	-	-	-
Sporidesmium-like	-	-	-	-	-
Tetraploa	Rare	-	-	-	Rare
Torula-like	-	Rare	-	-	-
Hyphal Fragment	Low	Low	-	-	-
Insect Fragment	-	Rare	-	-	-
Pollen	Low	Medium	Low	Medium	Medium
Fibrous Particulate	-	-	-	-	-

Category: Count/per area analyzed - Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

- Denotes Not Detected.
++ = Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.
* = Sample contains fruiting structures and/or hyphae associated with the spores.

Joseph Reynolds

Joseph Reynolds, Lead Technical Manager of Microbiology

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Initial report from: 09/25/2018 18:14:53

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Collected: 09/24/2018
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Analyzed: 09/25/2018

Proj: PS 15/ YONK: 18392.01-PM

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Tape Samples (EMSL Method MICRO-SOP-200)

Lab Sample Number:	031826487-0011	031826487-0012	031826487-0013	031826487-0014	031826487-0015
Client Sample ID:	T11	T12	T13	T14	T15
Sample Location:	2ND FLOOR REGISTER 11	2ND FLOOR REGISTER 12	2ND FLOOR REGISTER 13	2ND FLOOR REGISTER 14	2ND FLOOR REGISTER 15
Spore Types	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	Low	Low	Rare	Rare	-
Ascospores	-	-	Rare	Rare	-
Aspergillus/Penicillium	-	-	-	-	-
Basidiospores	-	-	-	-	-
Bipolaris++	Rare	Rare	-	-	Rare
Chaetomium	-	-	-	-	-
Cladosporium	*High*	*High*	Low	Low	-
Curvularia	Rare	Low	Rare	Rare	Rare
Epicoccum	Rare	Rare	Low	Rare	Rare
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	Medium	Medium	Low	Low	Rare
Pithomyces++	Low	Rare	Rare	Rare	Rare
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	Rare	-	-	Rare	-
Zygomycetes	-	-	-	-	-
Aureobasidium	-	-	-	-	-
Nigrospora	Rare	Rare	-	-	-
Polythrincium	-	-	-	-	-
Spegazzinia	Rare	-	-	Rare	-
Sporidesmiella	-	-	-	-	-
Sporidesmium-like	-	-	-	-	-
Tetraploa	-	-	-	-	-
Torula-like	-	-	-	-	-
Hyphal Fragment	-	-	-	Low	-
Insect Fragment	Rare	Rare	-	Rare	Rare
Pollen	-	Medium	Low	Rare	Low
Fibrous Particulate	-	-	-	-	-

Category: Count/per area analyzed - Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

- Denotes Not Detected.
++ = Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.
* = Sample contains fruiting structures and/or hyphae associated with the spores.

Joseph Reynolds

Joseph Reynolds, Lead Technical Manager of Microbiology

No discernable field blank was submitted with this group of samples.

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--EMLAP Accredited #102581

Initial report from: 09/25/2018 18:14:53

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

EMSL Analytical, Inc.
307 West 38th Street New York, NY 10018
Phone/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com / manhattanlab@emsl.com

Order ID: 031826487
Customer ID: ADEL50
Customer PO:
Project ID:

Attn: Stephanie Soter
Adelaide Associates, LLC
1511 Route 22
Suite C-24
Brewster, NY 10509

Phone: (845) 278-7710
Fax: (845) 278-7750
Collected: 09/24/2018
Received: 09/25/2018
Analyzed: 09/25/2018

Proj: PS 15/ YONK: 18392.01-PM

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Tape Samples (EMSL Method MICRO-SOP-200)

Lab Sample Number:	031826487-0016	031826487-0017	031826487-0018	031826487-0019	031826487-0020
Client Sample ID:	T16	T17	T18	T19	T20
Sample Location:	2ND FLOOR REGISTER 16	1ST FLOOR REGISTER 17	1ST FLOOR REGISTER 18	1ST FLOOR REGISTER 19	1ST FLOOR REGISTER 20
Spore Types	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	Rare	Rare	-	Rare	Rare
Ascospores	-	-	-	Rare	-
Aspergillus/Penicillium	-	-	-	-	Rare
Basidiospores	Rare	-	-	-	-
Bipolaris++	Rare	-	Rare	-	-
Chaetomium	-	-	Rare	-	-
Cladosporium	-	*Medium*	*High*	*Medium*	*Medium*
Curvularia	Rare	-	Rare	Rare	-
Epicoccum	Rare	Rare	-	Rare	Rare
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	Low	Rare	Low	Rare	Low
Pithomyces++	Rare	Rare	Low	Rare	Rare
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	Rare	-	-	-	-
Zygomycetes	-	-	-	-	-
Aureobasidium	-	-	-	-	-
Nigrospora	-	-	-	-	-
Polythrincium	-	-	-	-	-
Spegazzinia	-	-	-	-	-
Sporidesmiella	-	-	-	-	-
Sporidesmium-like	-	-	-	Rare	-
Tetraploa	-	-	-	-	-
Torula-like	-	-	-	-	-
Hyphal Fragment	-	-	-	-	-
Insect Fragment	-	-	-	-	Rare
Pollen	Rare	Low	Rare	Low	Low
Fibrous Particulate	-	-	-	-	-

Category: Count/per area analyzed - Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

- Denotes Not Detected.
++ = Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.
* = Sample contains fruiting structures and/or hyphae associated with the spores.

Joseph Reynolds

Joseph Reynolds, Lead Technical Manager of Microbiology

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Initial report from: 09/25/2018 18:14:53

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Fax: (845) 278-7750
Collected: 09/24/2018
Received: 09/25/2018
Analyzed: 09/25/2018

Proj: PS 15/ YONK: 18392.01-PM

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Tape Samples (EMSL Method MICRO-SOP-200)

Lab Sample Number:	031826487-0021	031826487-0022	031826487-0023	031826487-0024	031826487-0025
Client Sample ID:	T21	T22	T23	T24	T25
Sample Location:	1ST FLOOR REGISTER 21	1ST FLOOR REGISTER 22	1ST FLOOR REGISTER 23	1ST FLOOR REGISTER 24	1ST FLOOR REGISTER 28
Spore Types	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	Rare	Rare	Rare	Rare	Rare
Ascospores	Rare	-	Rare	Rare	Rare
Aspergillus/Penicillium	-	-	-	-	-
Basidiospores	-	-	-	-	Rare
Bipolaris++	Rare	-	-	Rare	-
Chaetomium	-	-	-	-	-
Cladosporium	*Low*	*Medium*	*Low*	*Medium*	Medium
Curvularia	Low	Rare	Low	Rare	Rare
Epicoccum	Low	Rare	Rare	Low	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	Low	Low	Low	Rare	Rare
Pithomyces++	Rare	Low	Low	Rare	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Aureobasidium	-	-	-	-	-
Nigrospora	-	-	-	-	-
Polythrincium	Rare	-	-	-	-
Spegazzinia	-	-	-	-	Rare
Sporidesmiella	-	-	-	-	Rare
Sporidesmium-like	-	-	Rare	-	-
Tetraploa	-	-	-	-	-
Torula-like	Rare	-	-	-	-
Hyphal Fragment	-	-	-	-	-
Insect Fragment	-	-	Rare	Rare	Rare
Pollen	Low	Rare	Low	Low	Rare
Fibrous Particulate	-	-	-	-	-

Category: Count/per area analyzed - Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

- Denotes Not Detected.
++ = Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.
* = Sample contains fruiting structures and/or hyphae associated with the spores.

Joseph Reynolds

Joseph Reynolds, Lead Technical Manager of Microbiology

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Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC–EMLAP Accredited #102581

Initial report from: 09/25/2018 18:14:53

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

OrderID: 031826487

Microbiology Chain of Custody

EMSL Order Number (*Lab Use Only*): 031826487

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX:(856) 786-0262

Company Name: Adelaide Environmental	**EMSL-Bill to:** ☐ Same ☐ Different If Bill to is Different note instructions in Comments
Street: 1511 RT 22 C24	*Third Party Billing requires written authorization from third party.*
City: Brewster **State/Province:** NY	**Zip/Postal Code:** 10509 **Country:** USA
Report To (Name): Stephanie Soter	**Telephone #:** 845-278-7710
Email Address: adelaidemail@Adelaidellc.com	**Fax #:** 845-278-7750 **Purchase Order:**
Project Name/Number: PS 15 / YONK: 18392.01-PM	**Please Provide Results:** ☐ Fax ☑ Email
U.S. State Samples Taken: NY **Project Zip Code:**	**Connecticut Samples:** ☐ Commercial ☐ Residential

Sterile, Sodium Thiosulfate Preserved Bottle Used: ☐ **Biocide Used in Source (specify):** ☐

Public Water Supply Samples: ☐ **Note: All results may automatically be reported to DOH if required by state.**

Turnaround Time (TAT) Options - Please Check

☒ 3 Hour	☐ 6 Hour	☐ 24 Hour	☐ 48 Hour	☐ 72 Hour	☐ 96 Hour	☐ 1 Week	☐ 2 Week

Microbiology Test Codes

M001 Air-O-Cell
M030 Micro 5
M174 MoldSnap
M032 Allergenco-D
M041 Fungal Direct Examination
M169 Pollen ID & Enumeration
M280 Dust Characterization Level-1
M281 Dust Characterization Level-2
M005 Viable Fungi- Air Samples (Genus ID & Count)
M006 Viable Fungi- Air Samples (Includes *Penicillium, Aspergillus, Cladosporium, Stachybotrys* Species ID & Count)
M007 Culturable fungi - Surface Samples (Genus ID & Count)
M008 Culturable fungi - Surface Samples (Includes *Penicillium, Aspergillus, Cladosporium, Stachybotrys* Species ID & Count)
M009 Bacteria Culture Gram Stain & Count
M010 Bacteria Count & ID - 3 Most Prominent
M011 Bacteria Count & ID - 5 Most Prominent

M012 *Pseudomonas aeruginosa* (P/A***)
M024 *Pseudomonas aeruginosa* (MFT*)
M015 Heterotrophic Plate Count
M017 Total Coliform & *E. coli* (Colilert P/A***)
M018 Total Coliform & *E. coli* (MFT*)
M114 Total Coliform & *E. coli* Enumeration (Colilert MPN**)
M019 Fecal Coliform (MFT*)
M020 Fecal *Streptococcus* (MFT*)
M029 *Enterococci* (MFT*)
M129 *Enterococci* (Enterolert P/A***)
M180 Real Time qPCR-ERMI 36 Panel
M025 Sewage Screen –Water (MFT*)

M115 Sewage Screen - Water (P/A***)
M116 Sewage Screen - Water (MPN**)
M117 Sewage Screen - Swab (P/A***)
M013 Sewage Screen - Swab (MFT*)
M133 *Methicillin-resistant Staph. aureus* (MRSA)
M031 Rapid-growing non-TB *Mycobacteria* Detection & Enumeration
M014 Endotoxin Analysis
M044 Group Allergen (Cat, Dog, Cockroach, Dust Mite)
Other See Analytical Price Guide
***Legionella* Analysis** Please use EMSL *Legionella* COC

*MFT= Membrane Filtration Technique
**MPN= Most Probable Number
***P/A= Presence/Absence

Name of Sampler: Robert See **Signature of Sampler:** Robert See

Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable (Only for Waters)	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only)
Example A1	Kitchen Sink/Tap	Water	☒ P ☐ NP	M017	100 mL	9/1/13 4:00 PM	
T1	3rd Floor Register 1	Tape	☐ P ☐ NP	M041	1 in²	9/24/18 1853	
T2	3rd Floor Register 2	Tape	☐ P ☐ NP	M041		9/24/18 1853	
T3	3rd Floor Register 3	Tape	☐ P ☐ NP	M041		9/24/18 1852	
T4	3rd Floor Register 4	Tape	☐ P ☐ NP	M041		9/24/18 1754	
T5	3rd Floor Register 5	Tape	☐ P ☐ NP	M041		9/24/18 1856	

Client Sample # (s): T1 - T25 **Total # of Samples:** 25 **Samples Received Chilled?** Yes / No (Lab Use Only)

Relinquished (Client): Robert See **Date:** 9-24-18 **Time:** 2400hrs

Received (Lab): [signature] **Date:** 9/25/18 **Time:** 209P

Comments/Special Instructions:

Controlled Document – COC-34 Micro R8 11/14/2017

OrderID: 031826487

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Microbiology Chain of Custody

EMSL Order Number (*Lab Use Only*): 031826487

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX:(856) 786-0262

Additional pages of the chain of custody are only necessary if needed for additional sample information.

Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable (Only for Waters)	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only)
T6	3rd Floor Register 6	Tape	☐P ☐NP	MOLD	1 in²	9/24/18 0832	
T7	3rd Floor Register 7	Tape	☐P ☐NP	MOLD		9/24/18 1839	
T8	3rd Floor Register 8	Tape	☐P ☐NP	MOLD		9/24/18 1841	
T9	2nd Fl Register 9		☐P ☐NP	MOLD		9/24/18 1930	
T10	10		☐P ☐NP	MOLD		9/24/18 1931	
T11	11		☐P ☐NP	MOLD		9/24/18 1933	
T12	12		☐P ☐NP	MOLD		9/24/18 1934	
T13	13		☐P ☐NP	MOLD		9/24/18 1936	
T14	14		☐P ☐NP	MOLD		9/24/18 1938	
T15	15		☐P ☐NP	MOLD		9/24/18 1940	
T16	16		☐P ☐NP	MOLD		9/24/18 1943	
T17	1st Floor Reside/ 17		☐P ☐NP	MOLD		9/24/18 2130	
T18	18		☐P ☐NP	MOLD		9/24/18 2132	
T19	19		☐P ☐NP	MOLD		9/24/18 2133	
T20	20		☐P ☐NP	MOLD		9/24/18 2135	
T21	21		☐P ☐NP	MOLD		9/24/18 2137	
T22	22		☐P ☐NP	MOLD		9/24/18 2138	
T23	23		☐P ☐NP	MOLD		9/24/18 2142	
T24	24		☐P ☐NP	MOLD		9/24/18 2144	
T25	~~18~~		☐P ☐NP	MOLD		9/24/18 2146	
~~[illegible]~~			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				

Comments/Special Instructions:

Jemoyk 9/25/18 @ 2009

Controlled Document – COC-34 Micro R8 11/14/2017

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

Order ID: 321821735
Customer ID: ADEL50
Customer PO:
Project ID:

Attn: Stephanie Soter
Adelaide Associates, LLC
1511 Route 22
Suite C-24
Brewster, NY 10509
Proj: PS15- Yonkers NY 10707

Phone: (845) 278-7710
Fax: (845) 278-7750
Collected: 09/21/2018
Received: 09/22/2018
Analyzed: 09/23/2018

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Bulk Samples (EMSL Method MICRO-SOP-200)

Lab Sample Number:	321821735-0036	321821735-0037	321821735-0038	321821735-0039	
Client Sample ID:	B-1	B-2	B-3	B-4	
Sample Location:	Rm 103, window	Rm 107	Rm 109	Rm 203, HW	
Spore Types	Category	Category	Category	Category	-
Alternaria (Ulocladium)	-	-	-	-	-
Ascospores	-	-	-	-	-
Aspergillus/Penicillium	-	Low	Rare	Rare	-
Basidiospores	-	-	-	-	-
Bipolaris++	-	-	-	-	-
Chaetomium	-	-	-	-	-
Cladosporium	-	-	-	Rare	-
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	-	-	-	-	-
Pithomyces++	-	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	*High*	*Medium*	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Paecilomyces-like	-	-	-	-	-
Hyphal Fragment	-	-	-	Rare	-
Insect Fragment	-	-	-	Rare	-
Pollen	-	-	-	-	-
Fibrous Particulate	Rare	Medium	Low	Low	-

Category: Count/per area analyzed - Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

- Denotes Not Detected.
++ = Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.
* = Sample contains fruiting structures and/or hyphae associated with the spores.

No discernable field blank was submitted with this group of samples.

Regina Norman, Laboratory Manager
or Other Approved Signatory

Samples analyzed by LA Testing South Pasadena, CA AIHA-LAP, LLC-- EMLAP Accredited #102814

Initial report from: 09/23/2018 16:47:48

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

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520 Mission Street South Pasadena, CA 91030
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Collected: 09/21/2018
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Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Tape Samples (EMSL Method MICRO-SOP-200)

Lab Sample Number:	321821735-0026	321821735-0027	321821735-0028	321821735-0029	321821735-0030
Client Sample ID:	T-1	T-2	T-3	T-4	T-5
Sample Location:	Rm 109, HW	3rd, HW o/s staff	Rom 301,	Rom 303,	Rom 305,
Spore Types	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	-	-	*High*	*High*	-
Ascospores	Rare	-	-	-	-
Aspergillus/Penicillium	Low	Rare	High	*High*	Low
Basidiospores	-	-	-	-	-
Bipolaris++	-	-	-	-	-
Chaetomium	-	-	-	*High*	-
Cladosporium	Rare	-	Rare	-	-
Curvularia	-	-	-	*Medium*	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	Rare	-	-	-	-
Pithomyces++	-	-	Rare	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	*High*	*High*	*High*
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Paecilomyces-like	-	-	-	*Low*	-
Hyphal Fragment	Rare	-	-	-	-
Insect Fragment	-	-	-	-	-
Pollen	-	-	-	-	-
Fibrous Particulate	Low	Low	Low	Low	Low

Category: Count/per area analyzed - Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

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or Other Approved Signatory

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Collected: 09/21/2018
Received: 09/22/2018
Analyzed: 09/23/2018

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Tape Samples (EMSL Method MICRO-SOP-200)

Lab Sample Number:	321821735-0031	321821735-0032	321821735-0033	321821735-0034	321821735-0035
Client Sample ID:	T-6	T-7	T-8	T-9	T-10
Sample Location:	HW o/s 306, ABV	HW o/s 306, on	Rm 308, HW	3rd boys bath,	3rd boys bath,
Spore Types	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	-	-	Rare	-	-
Ascospores	Rare	-	Rare	-	-
Aspergillus/Penicillium	Low	Low	Low	Rare	Rare
Basidiospores	-	-	Rare	-	-
Bipolaris++	-	-	-	-	-
Chaetomium	Rare	-	-	-	-
Cladosporium	-	-	Low	-	-
Curvularia	-	-	-	-	-
Epicoccum	-	-	Rare	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	Rare	-	-
Myxomycetes++	-	-	Rare	-	-
Pithomyces++	-	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	*Medium*	*Low*	Rare	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Paecilomyces-like	-	-	-	-	-
Hyphal Fragment	-	-	-	-	-
Insect Fragment	Rare	-	-	-	Rare
Pollen	Rare	-	-	-	-
Fibrous Particulate	Low	Low	Low	Low	Medium

Category: Count/per area analyzed - Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

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Initial report from: 09/23/2018 16:47:48

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

OrderID: 321821735

EMSL Analytical, Inc.
307 West 38th Street
New York, NY 10018
PHONE: (212) 290-0051
FAX: (212) 290-0058

EMSL ANALYTICAL, INC.
LABORATORY · PRODUCTS · TRAINING

Microbiology Chain of Custody

EMSL Order Number *(Lab Use Only)*: #321821735

Company Name: Adelaide Associates, LLC		**EMSL-Bill to:** ☐ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*	
Street: 1511 Route 22 Suite C-24			
City: Brewster	**State/Province:** NY	**Zip/Postal Code:** 10509	**Country:** US
Report To (Name): Stephanie Soter		**Telephone #:** 845-278-7710	
Email Address: adelaidemail@adelaidellc.com		**Fax #:** 845-278-7750	**Purchase Order:** 18392.00
Project Name/Number: PS15 - Yonkers		**Please Provide Results:** ☐ Fax ☐ Email	

U.S. State Samples Taken: NY **Project Zip Code:** 10707 **Connecticut Samples:** ☐ Commercial ☐ Residential

**Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide. TATs are subject to methodology requirements*

Sterile, Sodium Thiosulfate Preserved Bottle Used: ☐ **Biocide Used in Source (specify):** _____ ☐

Public Water Supply Samples: ☐ **Note: All results may automatically be reported to DOH if required by state.**

Turnaround Time (TAT) Options * - Please Check

☒ 3 Hour	☐ 6 Hour	☐ 24 Hour	☐ 48 Hour	☐ 72 Hour	☐ 96 Hour	☐ 1 Week	☐ 2 Week

Microbiology Test Codes

M001 Air-O-Cell
M030 Micro 5
M174 MoldSnap
M032 Allergenco-D
M041 Fungal Direct Examination
M169 Pollen ID & Enumeration
M280 Dust Characterization Level-1
M281 Dust Characterization Level-2
M005 Viable Fungi- Air Samples (Genus ID & Count)
M006 Viable Fungi- Air Samples (Includes *Penicillium, Aspergillus, Cladosporium, Stachybotrys* Species ID & Count)
M007 Culturable fungi - Surface Samples (Genus ID & Count)
M008 Culturable fungi - Surface Samples (Includes *Penicillium, Aspergillus, Cladosporium, Stachybotrys* Species ID & Count)
M009 Bacteria Culture Gram Stain & Count
M010 Bacteria Count & ID - 3 Most Prominent
M011 Bacteria Count & ID - 5 Most Prominent
M012 Pseudomonas aeruginosa (P/A***)

M024 Pseudomonas aeruginosa (MFT*)
M015 Heterotrophic Plate Count
M017 Total Coliform & E. coli (Colilert P/A***)
M018 Total Coliform & E. coli (MFT*)
M114 Total Coliform & E. coli Enumeration (Colilert MPN**)
M019 Fecal Coliform (MFT*)
M020 Fecal Streptococcus (MFT*)
M029 Enterococci (MFT*)
M129 Enterococci (Enterolert P/A***)
M180 Real Time qPCR-ERMI 36 Panel
M025 Sewage Screen –Water (MFT*)

M115 Sewage Screen - Water (P/A***)
M116 Sewage Screen - Water (MPN**)
M117 Sewage Screen - Swab (P/A***)
M013 Sewage Screen - Swab (MFT*)
M133 Methicillin-resistant Staph. aureus (MRSA)
M031 Rapid-growing non-TB Mycobacteria Detection & Enumeration
M014 Endotoxin Analysis
M044 Group Allergen (Cat, Dog, Cockroach, Dust Mite)
Other See Analytical Price Guide
Legionella Analysis Please use EMSL Legionella COC

*MFT= Membrane Filtration Technique
**MPN= Most Probable Number
***P/A= Presence/Absence

Name of Sampler: Philip J. Page **Signature of Sampler:**

Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable (only for waters)	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only)
Example A1	Kitchen Sink/Tap	Water	☒P ☐NP	M017	100 mL	9/1/13 4:00 PM	
A1	HW o/s 306	AIR	☐P ☐NP	M032	75L	9/21/18 1258	
A2	HW o/s STAFF BATH		☐P ☐NP			1300	
A3	HW o/s 308		☐P ☐NP			1310	
A4	Rm 308		☐P ☐NP			1314	
A5	HW o/s BOYS BATH		☐P ☐NP			1320	
A6	BOYS BATH (3RD FLOOR)		☐P ☐NP			1321	

Client Sample # (s): - **Total # of Samples:** 39 **Samples Received Chilled?** Yes / No

Relinquished (Client): [signature] **Date:** 9/21/18 **Time:**

Received (Lab): Kelsey Sorrow **Date:** 9/22/18 **Time:** 0917

Comments/Special Instructions:
Email (Fx) 9/22/18 9:55

OrderID: 321821735

EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS • TRAINING

Microbiology Chain of Custody

EMSL Order Number (*Lab Use Only*):

#321821735

EMSL Analytical, Inc
307 West 38th Street

New York, NY 10018
PHONE: (212) 290-0051
FAX: (212) 290-0058

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only)
T6	HW o/s 306, ABV CT	TAPE	☐P ☐NP	M041		9/21/18	
T7	↓ , ON DUCT	↓	☐P ☐NP	↓		↓	
T8	Rm 308, HW SIDE, ABV SR		☐P ☐NP				
T9	3RD BOYS BATH, ABV CT		☐P ☐NP				
T10	↓ , ON SOFF	↓	☐P ☐NP	↓			
B1	Rm 103, WINDOW SIDE, SOFFIT	BULK	☐P ☐NP	M041			
B2	Rm 107,	↓	☐P ☐NP	↓			
B3	Rm 109,		☐P ☐NP				
B4	Rm 203, HW SIDE, ENTRY CEILING	↓	☐P ☐NP	↓		↓	
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				

Comments/Special Instructions:

Kerry Simm
9/21/18 6:17pm

OrderID: 321821735

4

EMSL ANALYTICAL, INC.
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Microbiology Chain of Custody

EMSL Order Number *(Lab Use Only)*:

#321821735

EMSL Analytical, Inc.
307 West 38th Street

New York, NY 10018
PHONE: (212) 290-0051
FAX: (212) 290-0058

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only)
A7	HW o/s 305	AIR	☐P ☐NP	M032	75L	9/21/18 1330	
A8	Rm 305		☐P ☐NP			1331	
A9	HW o/s 309		☐P ☐NP			1337	
A10	Rm 309		☐P ☐NP			1339	
A11	Rm 303		☐P ☐NP			1346	
A12	HW o/s 303		☐P ☐NP			1347	
A13	Rm 301		☐P ☐NP			1354	
A14	HW o/s 301		☐P ☐NP			1357	
A15	Rm 109		☐P ☐NP			1406	
A16	Rm 107		☐P ☐NP			1418	
A17	HW o/s 107		☐P ☐NP			1424	
A18	Rm 103		☐P ☐NP			1426	
A19	HW o/s 203		☐P ☐NP			1436	
A20	Rm 203		☐P ☐NP			1437	
A21	EXTERIOR - EAST		☐P ☐NP			1446	
A22	" - SOUTH		☐P ☐NP			1453	
A23	" - NORTH		☐P ☐NP			1500	
A24	" - WEST		☐P ☐NP			1502	
A25	BLANK		☐P ☐NP		BLANK		
T1	Rm 109, HW SIDE, HATCH	TAPE	☐P ☐NP	M041			
T2	3RD, HW o/s STAFF BATH, ONSR		☐P ☐NP				
T3	Rm 301, HW SIDE, ABV SR		☐P ☐NP				
T4	Rm 303,		☐P ☐NP				
T5	Rm 305,		☐P ☐NP				

Comments/Special Instructions:

Kelly Lum
9/21/18 617p

LA Testing

520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

Order ID: 321821735
Customer ID: ADEL50
Customer PO:
Project ID:

Attn: Stephanie Soter
Adelaide Associates, LLC
1511 Route 22
Suite C-24
Brewster, NY 10509

Phone: (845) 278-7710
Fax: (845) 278-7750
Collected: 09/21/2018
Received: 09/22/2018
Analyzed: 09/23/2018

Proj: PS15- Yonkers NY 10707

Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	321821735-0001			321821735-0002			321821735-0003		
Client Sample ID:	A1			A2			A3		
Volume (L):	75			75			75		
Sample Location:	HW o/s 306			HW o/s staff bath			HW o/s 308		
Spore Types	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**
Alternaria (Ulocladium)	-	-	-	1	40	5.2	-	-	-
Ascospores	1	40	3.4	1	40	5.2	1	40	8
Aspergillus/Penicillium	3	100	8.4	3	100	13	2	90	18
Basidiospores	5	200	16.8	-	-	-	2	90	18
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	12	530	44.5	-	-	-	1	40	8
Curvularia	2*	30*	2.5	-	-	-	-	-	-
Epicoccum	1	40	3.4	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	1	40	8
Myxomycetes++	5	200	16.8	13	580	75.3	5	200	40
Pithomyces++	-	-	-	1*	10*	1.3	-	-	-
Rust	1	40	3.4	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Myrothecium/Paramyrotheciu	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Oidium	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Torula-like	1*	10*	0.8	-	-	-	-	-	-
Total Fungi	**31**	**1190**	**100**	**19**	**770**	**100**	**12**	**500**	**100**
Hyphal Fragment	2	90	-	2	90	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Regina Norman, Laboratory Manager
or Other Approved Signatory

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "*" Denotes particles found at 300X. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by LA Testing. Results have not been adjusted for field or laboratory blank unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA AIHA-LAP, LLC–EMLAP Accredited #102814

Initial report from: 09/23/2018 16:47:44

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

Order ID: 321821735
Customer ID: ADEL50
Customer PO:
Project ID:

Attn: Stephanie Soter
Adelaide Associates, LLC
1511 Route 22
Suite C-24
Brewster, NY 10509

Phone: (845) 278-7710
Fax: (845) 278-7750
Collected: 09/21/2018
Received: 09/22/2018
Analyzed: 09/23/2018

Proj: PS15- Yonkers NY 10707

Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	321821735-0001			321821735-0002			321821735-0003		
Client Sample ID:	A1			A2			A3		
Volume (L):	75			75			75		
Sample Location:	HW o/s 306			HW o/s staff bath			HW o/s 308		
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	3	-	-	3	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	3	-	-	3	-	-	2	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Regina Norman, Laboratory Manager
or Other Approved Signatory

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "*" Denotes particles found at 300X. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by LA Testing. Results have not been adjusted for field or laboratory blank unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA AIHA-LAP, LLC–EMLAP Accredited #102614

Initial report from: 09/23/2018 16:47:44

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Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

Order ID: 321821735
Customer ID: ADEL50
Customer PO:
Project ID:

Attn: Stephanie Soter
Adelaide Associates, LLC
1511 Route 22
Suite C-24
Brewster, NY 10509

Phone: (845) 278-7710
Fax: (845) 278-7750
Collected: 09/21/2018
Received: 09/22/2018
Analyzed: 09/23/2018

Proj: PS15- Yonkers NY 10707

Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	321821735-0004			321821735-0005			321821735-0006		
Client Sample ID:	A4			A5			A6		
Volume (L):	75			75			75		
Sample Location:	Room 308			HW o/s boys bath			Boys bath (3rd floor)		
Spore Types	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	1	40	7.4	-	-	-	1	40	2.5
Aspergillus/Penicillium	4	200	37	3	100	20	3	100	6.3
Basidiospores	-	-	-	2	90	18	-	-	-
Bipolaris++	2	90	16.7	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	5	200	37	-	-	-	27	1200	75
Curvularia	-	-	-	2	90	18	1	40	2.5
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	1	40	8	-	-	-
Myxomycetes++	1*	10*	1.9	3	100	20	4	200	12.5
Pithomyces++	-	-	-	1	40	8	1*	10*	0.6
Rust	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	1*	10*	0.6
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Myrothecium/Paramyrotheciu	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Oidium	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	1	40	8	-	-	-
Total Fungi	**13**	**540**	**100**	**13**	**500**	**100**	**38**	**1600**	**100**
Hyphal Fragment	-	-	-	2	90	-	3	100	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	1	40	-	-	-	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Regina Norman, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by LA Testing South Pasadena, CA AIHA-LAP, LLC–EMLAP Accredited #102814

Initial report from: 09/23/2018 16:47:44

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Analyzed: 09/23/2018

Proj: PS15- Yonkers NY 10707

Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	321821735-0004			321821735-0005			321821735-0006		
Client Sample ID:	A4			A5			A6		
Volume (L):	75			75			75		
Sample Location:	Room 308			HW o/s boys bath			Boys bath (3rd floor)		
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	3	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	2	-	-	3	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Regina Norman, Laboratory Manager
or Other Approved Signatory

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "*" Denotes particles found at 300X. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by LA Testing. Results have not been adjusted for field or laboratory blank unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA AIHA-LAP, LLC–EMLAP Accredited #102814

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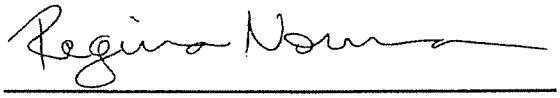
Proj: PS15- Yonkers NY 10707

Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	321821735-0007			321821735-0008			321821735-0009		
Client Sample ID:	A7			A8			A9		
Volume (L):	75			75			75		
Sample Location:	HW o/s 305			Room 305			HW o/s 309		
Spore Types	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**
Alternaria (Ulocladium)	-	-	-	1	40	1.4	-	-	-
Ascospores	1	40	2.2	4	200	6.8	-	-	-
Aspergillus/Penicillium	10	440	24	3	100	3.4	5	200	42.6
Basidiospores	1	40	2.2	-	-	-	2	90	19.1
Bipolaris++	1	40	2.2	1	40	1.4	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	6	300	16.4	1	40	1.4	1	40	8.5
Curvularia	1	40	2.2	-	-	-	1	40	8.5
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	11	490	26.8	3	100	3.4	3	100	21.3
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	8	400	21.9	55	2400	81.1	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	1	40	2.2	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Myrothecium/Paramyrotheciu	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	1	40	1.4	-	-	-
Oidium	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	**40**	**1830**	**100**	**69**	**2960**	**100**	**12**	**470**	**100**
Hyphal Fragment	3	100	-	3	100	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	3	100	-	-	-	-	-	-	-

Sample Comments: 321821735-0008 Stachybotrys/Memnoniella conidiophores present in sample.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.



Regina Norman, Laboratory Manager
or Other Approved Signatory

Initial report from: 09/23/2018 16:47:44

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Collected:	09/21/2018
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Proj: PS15- Yonkers NY 10707

Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	321821735-0007			321821735-0008			321821735-0009		
Client Sample ID:	A7			A8			A9		
Volume (L):	75			75			75		
Sample Location:	HW o/s 305			Room 305			HW o/s 309		
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	3	-	-	3	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	3	-	-	3	-	-	2	-

Sample Comments: 321821735-0008 Stachybotrys/Memnoniella conidiophores present in sample.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Regina Norman, Laboratory Manager
or Other Approved Signatory

Initial report from: 09/23/2018 16:47:44

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LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

Order ID: 321821735
Customer ID: ADEL50
Customer PO:
Project ID:

Attn: Stephanie Soter
Adelaide Associates, LLC
1511 Route 22
Suite C-24
Brewster, NY 10509

Phone: (845) 278-7710
Fax: (845) 278-7750
Collected: 09/21/2018
Received: 09/22/2018
Analyzed: 09/23/2018

Proj: PS15- Yonkers NY 10707

Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	321821735-0010			321821735-0011			321821735-0012		
Client Sample ID:	A10			A11			A12		
Volume (L):	75			75			75		
Sample Location:	Rm 309			Rm 303			HW o/s 303		
Spore Types	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**
Alternaria (Ulocladium)	2	90	4.3	-	-	-	-	-	-
Ascospores	3	100	4.7	-	-	-	-	-	-
Aspergillus/Penicillium	6	300	14.2	4	200	11.6	3	100	22.7
Basidiospores	2	90	4.3	1	40	2.3	1	40	9.1
Bipolaris++	1	40	1.9	-	-	-	-	-	-
Chaetomium	-	-	-	22*	290*	16.9	-	-	-
Cladosporium	5	200	9.5	20	890	51.7	3	100	22.7
Curvularia	1	40	1.9	-	-	-	-	-	-
Epicoccum	1	40	1.9	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	2	90	5.2	-	-	-
Myxomycetes++	27	1200	56.9	4	200	11.6	5	200	45.5
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	1*	10*	0.5	1*	10*	0.6	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Myrothecium/Paramyrotheciu	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Oidium	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	**49**	**2110**	**100**	**54**	**1720**	**100**	**12**	**440**	**100**
Hyphal Fragment	4	200	-	1	40	-	-	-	-
Insect Fragment	1	40	-	-	-	-	-	-	-
Pollen	2	90	-	1	40	-	1*	10*	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Regina Norman, Laboratory Manager
or Other Approved Signatory

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "*" Denotes particles found at 300X. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by LA Testing. Results have not been adjusted for field or laboratory blank unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA AIHA-LAP, LLC–EMLAP Accredited #102814

Initial report from: 09/23/2018 16:47:44

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Customer PO:	
Project ID:	

Attn: Stephanie Soter
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1511 Route 22
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Brewster, NY 10509

Proj: PS15- Yonkers NY 10707

Phone:	(845) 278-7710
Fax:	(845) 278-7750
Collected:	09/21/2018
Received:	09/22/2018
Analyzed:	09/23/2018

Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	321821735-0010			321821735-0011			321821735-0012		
Client Sample ID:	A10			A11			A12		
Volume (L):	75			75			75		
Sample Location:	Rm 309			Rm 303			HW o/s 303		
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	3	-	-	3	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	2	-
Background (1-5)	-	3	-	-	3	-	-	2	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Regina Norman, Laboratory Manager
or Other Approved Signatory

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Proj: PS15- Yonkers NY 10707

Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	321821735-0013			321821735-0014			321821735-0015		
Client Sample ID:	A13			A14			A15		
Volume (L):	75			75			75		
Sample Location:	Rm 301			HW o/s 301			Rm 109		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	2	90	13.6	-	-	-	-	-	-
Aspergillus/Penicillium	2	90	13.6	1	40	6.6	7	300	20.7
Basidiospores	1	40	6.1	-	-	-	5	200	13.8
Bipolaris++	-	-	-	1	40	6.6	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	4	200	30.3	2	90	14.8	6	300	20.7
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	5	200	30.3	3	100	16.4	14	610	42.1
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	1	40	2.8
Stachybotrys/Memnoniella	-	-	-	8	300	49.2	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Myrothecium/Paramyrotheciu	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Oidium	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	1	40	6.1	1	40	6.6	-	-	-
Pyricularia	-	-	-	-	-	-	-	-	-
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	**15**	**660**	**100**	**16**	**610**	**100**	**33**	**1450**	**100**
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	2	90	-	2	90	-	-	-	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Regina Norman, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by LA Testing South Pasadena, CA AIHA-LAP, LLC–EMLAP Accredited #102814

Initial report from: 09/23/2018 16:47:44

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Customer PO:
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Adelaide Associates, LLC
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Suite C-24
Brewster, NY 10509

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Received: 09/22/2018
Analyzed: 09/23/2018

Proj: PS15- Yonkers NY 10707

Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	321821735-0013			321821735-0014			321821735-0015		
Client Sample ID:	A13			A14			A15		
Volume (L):	75			75			75		
Sample Location:	Rm 301			HW o/s 301			Rm 109		
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	2	-
Fibrous Particulate (1-4)	-	2	-	-	2	-	-	2	-
Background (1-5)	-	2	-	-	2	-	-	2	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Regina Norman, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by LA Testing South Pasadena, CA AIHA-LAP, LLC--EMLAP Accredited #102614

Initial report from: 09/23/2018 16:47:44

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http://www.LATesting.com / pasadenalab@latesting.com

Order ID: 321821735
Customer ID: ADEL50
Customer PO:
Project ID:

Attn: Stephanie Soter
Adelaide Associates, LLC
1511 Route 22
Suite C-24
Brewster, NY 10509

Phone: (845) 278-7710
Fax: (845) 278-7750
Collected: 09/21/2018
Received: 09/22/2018
Analyzed: 09/23/2018

Proj: PS15- Yonkers NY 10707

Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	321821735-0016			321821735-0017			321821735-0018		
Client Sample ID:	A16			A17			A18		
Volume (L):	75			75			75		
Sample Location:	Rm 107			HW o/s 107			Rm 103		
Spore Types	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**
Alternaria (Ulocladium)	1	40	0.4	-	-	-	-	-	-
Ascospores	2	90	0.9	2	90	1.4	-	-	-
Aspergillus/Penicillium	48	2100	20.5	16	700	10.8	283	12300	90.2
Basidiospores	-	-	-	37	1600	24.6	2	90	0.7
Bipolaris++	4	200	2	1	40	0.6	1	40	0.3
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	9	400	3.9	14	610	9.4	19	830	6.1
Curvularia	12	520	5.1	6	300	4.6	2*	30*	0.2
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	1	40	0.6	-	-	-
Myxomycetes++	121	5270	51.6	70	3000	46.1	6	300	2.2
Pithomyces++	-	-	-	1	40	0.6	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	37	1600	15.7	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Myrothecium/Paramyrotheciu	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Oidium	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Pyricularia	-	-	-	2	90	1.4	1	40	0.3
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	**234**	**10220**	**100**	**150**	**6510**	**100**	**314**	**13630**	**100**
Hyphal Fragment	1	40	-	-	-	-	1	40	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-

Sample Comments: 321821735-0016 Stachybotrys/Memnoniella conidiophores present in sample.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Regina Norman, Laboratory Manager
or Other Approved Signatory

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Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	321821735-0016			321821735-0017			321821735-0018		
Client Sample ID:	A16			A17			A18		
Volume (L):	75			75			75		
Sample Location:	Rm 107			HW o/s 107			Rm 103		
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	3	-	-	2	-	-	2	-
Fibrous Particulate (1-4)	-	2	-	-	1	-	-	2	-
Background (1-5)	-	3	-	-	2	-	-	2	-

Sample Comments: 321821735-0016 Stachybotrys/Memnoniella conidiophores present in sample.

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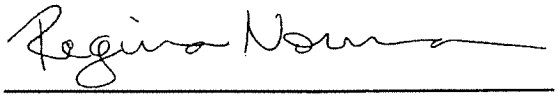

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Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	321821735-0019			321821735-0020			321821735-0021		
Client Sample ID:	A19			A20			A21		
Volume (L):	75			75			75		
Sample Location:	HW o/s 203			Rm 203			Exterior- east		
Spore Types	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**	**Raw Count**	**Count/m³**	**% of Total**
Alternaria (Ulocladium)	-	-	-	-	-	-	1	40	0.5
Ascospores	1	40	0.4	-	-	-	5	200	2.7
Aspergillus/Penicillium	42	1800	19.5	26	1100	7.4	6	300	4.1
Basidiospores	8	300	3.3	-	-	-	105	4670	63.5
Bipolaris++	1	40	0.4	8	300	2	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	8	300	3.3	9	400	2.7	38	1700	23.1
Curvularia	9	400	4.3	13	570	3.9	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	1	40	0.5
Myxomycetes++	142	6180	67	282	12300	83.1	7	300	4.1
Pithomyces++	2	90	1	-	-	-	-	-	-
Rust	1	40	0.4	2	90	0.6	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	2	90	1.2
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	1	40	0.3	-	-	-
Myrothecium/Paramyrotheciu	-	-	-	-	-	-	-	-	-
Nigrospora	-	-	-	-	-	-	-	-	-
Oidium	-	-	-	-	-	-	-	-	-
Pestalotia/Pestalotiopsis	-	-	-	-	-	-	-	-	-
Pyricularia	1	40	0.4	-	-	-	1*	10*	0.1
Torula-like	-	-	-	-	-	-	-	-	-
Total Fungi	**215**	**9230**	**100**	**341**	**14800**	**100**	**166**	**7350**	**100**
Hyphal Fragment	-	-	-	2	90	-	4	200	-
Insect Fragment	1	40	-	1	40	-	-	-	-
Pollen	1	40	-	-	-	-	3	100	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Regina Norman, Laboratory Manager
or Other Approved Signatory

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Proj: PS15- Yonkers NY 10707

Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	321821735-0019			321821735-0020			321821735-0021		
Client Sample ID:	A19			A20			A21		
Volume (L):	75			75			75		
Sample Location:	HW o/s 203			Rm 203			Exterior- east		
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	3	-	-	3	-	-	1	-
Fibrous Particulate (1-4)	-	2	-	-	3	-	-	1	-
Background (1-5)	-	3	-	-	3	-	-	2	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Regina Norman, Laboratory Manager
or Other Approved Signatory

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. "*" Denotes particles found at 300X. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by LA Testing. Results have not been adjusted for field or laboratory blank unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by LA Testing South Pasadena, CA AIHA-LAP, LLC--EMLAP Accredited #102814

Initial report from: 09/23/2018 16:47:44

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

LA Testing
520 Mission Street South Pasadena, CA 91030
Phone/Fax: (323) 254-9960 / (323) 254-9982
http://www.LATesting.com / pasadenalab@latesting.com

Order ID: 321821735
Customer ID: ADEL50
Customer PO:
Project ID:

Attn: Stephanie Soter
Adelaide Associates, LLC
1511 Route 22
Suite C-24
Brewster, NY 10509

Phone: (845) 278-7710
Fax: (845) 278-7750
Collected: 09/21/2018
Received: 09/22/2018
Analyzed: 09/23/2018

Proj: PS15- Yonkers NY 10707

Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	321821735-0022			321821735-0023			321821735-0024		
Client Sample ID:	A22			A23			A24		
Volume (L):	75			75			75		
Sample Location:	Exterior- south			Exterior- north			Exterior- west		
Spore Types	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total	Raw Count	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	2	90	1	2	90	0.4
Ascospores	10	440	1	3	100	1.1	5	200	0.9
Aspergillus/Penicillium	38	1700	3.7	17	760	8.3	137	6090	28.8
Basidiospores	125	5560	12.2	155	6890	74.8	137	6090	28.8
Bipolaris++	-	-	-	-	-	-	1	40	0.2
Chaetomium	-	-	-	-	-	-	1*	10*	0
Cladosporium	57	2500	5.5	19	840	9.1	16	710	3.4
Curvularia	2	90	0.2	1	40	0.4	3	100	0.5
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	3	100	0.2	-	-	-	1	40	0.2
Ganoderma	-	-	-	1	40	0.4	1	40	0.2
Myxomycetes++	584	26000	57.1	5	200	2.2	164	7290	34.4
Pithomyces++	4	200	0.4	2*	30*	0.3	7	300	1.4
Rust	1*	10*	0	5	200	2.2	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	1	40	0.1	-	-	-	1	40	0.2
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora++	-	-	-	-	-	-	-	-	-
Myrothecium/Paramyrotheciu	-	-	-	-	-	-	1*	10*	0
Nigrospora	-	-	-	-	-	-	-	-	-
Oidium	2	90	0.2	1*	10*	0.1	-	-	-
Pestalotia/Pestalotiopsis	1	40	0.1	1*	10*	0.1	-	-	-
Pyricularia	1*	10*	0	-	-	-	1	40	0.2
Torula-like	197	8760	19.2	-	-	-	2	90	0.4
Total Fungi	**1026**	**45540**	**100**	**212**	**9210**	**100**	**480**	**21180**	**100**
Hyphal Fragment	10	440	-	3	100	-	5	200	-
Insect Fragment	6	300	-	-	-	-	1	40	-
Pollen	1	40	-	2	90	-	2	90	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Regina Norman, Laboratory Manager
or Other Approved Signatory

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Initial report from: 09/23/2018 16:47:44

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http://www.LATesting.com / pasadenalab@latesting.com

Order ID: 321821735
Customer ID: ADEL50
Customer PO:
Project ID:

Attn: Stephanie Soter
Adelaide Associates, LLC
1511 Route 22
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Brewster, NY 10509

Phone: (845) 278-7710
Fax: (845) 278-7750
Collected: 09/21/2018
Received: 09/22/2018
Analyzed: 09/23/2018

Proj: PS15- Yonkers NY 10707

Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	321821735-0022			321821735-0023			321821735-0024		
Client Sample ID:	A22			A23			A24		
Volume (L):	75			75			75		
Sample Location:	Exterior- south			Exterior- north			Exterior- west		
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	2	-	-	2	-

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Regina Norman, Laboratory Manager
or Other Approved Signatory

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Phone: (845) 278-7710
Fax: (845) 278-7750
Collected: 09/21/2018
Received: 09/22/2018
Analyzed: 09/23/2018

Proj: PS15- Yonkers NY 10707

Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:	321821735-0025				
Client Sample ID:	A25				
Volume (L):					
Sample Location:	Blank				
Spore Types	**Raw Count**	**Count/m³**	**% of Total**		
Alternaria (Ulocladium)	-	-	-		
Ascospores	-	-	-		
Aspergillus/Penicillium	-	-	-		
Basidiospores	-	-	-		
Bipolaris++	-	-	-		
Chaetomium	-	-	-		
Cladosporium	-	-	-		
Curvularia	-	-	-		
Epicoccum	-	-	-		
Fusarium	-	-	-		
Ganoderma	-	-	-		
Myxomycetes++	-	-	-		
Pithomyces++	-	-	-		
Rust	-	-	-		
Stachybotrys/Memnoniella	-	-	-		
Unidentifiable Spores	-	-	-		
Zygomycetes	-	-	-		
Cercospora++	-	-	-		
Myrothecium/Paramyrotheciu	-	-	-		
Nigrospora	-	-	-		
Oidium	-	-	-		
Pestalotia/Pestalotiopsis	-	-	-		
Pyricularia	-	-	-		
Torula-like	-	-	-		
Total Fungi	-	No Trace	-		
Hyphal Fragment	-	-	-		
Insect Fragment	-	-	-		
Pollen	-	-	-		

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Regina Norman, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by LA Testing South Pasadena, CA AIHA-LAP, LLC–EMLAP Accredited #102814

Initial report from: 09/23/2018 16:47:44

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LA Testing
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Order ID:	321821735
Customer ID:	ADEL50
Customer PO:	
Project ID:	

Attn: Stephanie Soter
Adelaide Associates, LLC
1511 Route 22
Suite C-24
Brewster, NY 10509

Proj: PS15- Yonkers NY 10707

Phone:	(845) 278-7710
Fax:	(845) 278-7750
Collected:	09/21/2018
Received:	09/22/2018
Analyzed:	09/23/2018

Test Report: Allergenco-D(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number:		**321821735-0025**			
Client Sample ID:		**A25**			
Volume (L):					
Sample Location:		**Blank**			
Analyt. Sensitivity 600x	-	0	-		
Analyt. Sensitivity 300x	-	0*	-		
Skin Fragments (1-4)	-	-	-		
Fibrous Particulate (1-4)	-	-	-		
Background (1-5)	-	-	-		

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Regina Norman, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by LA Testing South Pasadena, CA AIHA-LAP, LLC–EMLAP Accredited #102614

Initial report from: 09/23/2018 16:47:44

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com

OrderID: 321821735

EMSL Analytical, Inc.
307 West 38th Street
New York, NY 10018
PHONE: (212) 290-0051
FAX: (212) 290-0058

EMSL ANALYTICAL, INC.
LABORATORY · PRODUCTS · TRAINING

Microbiology Chain of Custody

EMSL Order Number (*Lab Use Only*): #321821735

Company Name: Adelaide Associates, LLC		**EMSL-Bill to:** ☐ Same ☐ Different If Bill to is Different note instructions in Comments**	
Street: 1511 Route 22 Suite C-24		*Third Party Billing requires written authorization from third party*	
City: Brewster	**State/Province:** NY	**Zip/Postal Code:** 10509	**Country:** US
Report To (Name): Stephanie Soter		**Telephone #:** 845-278-7710	
Email Address: adelaidemail@adelaidellc.com		**Fax #:** 845-278-7750	**Purchase Order:** 18392.00
Project Name/Number: PS15 - Yonkers		**Please Provide Results:** ☐ Fax ☐ Email	
U.S. State Samples Taken: NY	**Project Zip Code:** 10707	**Connecticut Samples:** ☐ Commercial ☐ Residential	

*Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide. TATs are subject to methodology requirements

Sterile, Sodium Thiosulfate Preserved Bottle Used: ☐ **Biocide Used in Source (specify):** _____ ☐

Public Water Supply Samples: ☐ **Note: All results may automatically be reported to DOH if required by state.**

Turnaround Time (TAT) Options * - Please Check

■ 3 Hour	☐ 6 Hour	☐ 24 Hour	☐ 48 Hour	☐ 72 Hour	☐ 96 Hour	☐ 1 Week	☐ 2 Week

Microbiology Test Codes

M001 Air-O-Cell
M030 Micro 5
M174 MoldSnap
M032 Allergenco-D
M041 Fungal Direct Examination
M169 Pollen ID & Enumeration
M280 Dust Characterization Level-1
M281 Dust Characterization Level-2
M005 Viable Fungi- Air Samples (Genus ID & Count)
M006 Viable Fungi- Air Samples (Includes *Penicillium, Aspergillus, Cladosporium, Stachybotrys* Species ID & Count)
M007 Culturable fungi - Surface Samples (Genus ID & Count)
M008 Culturable fungi - Surface Samples (Includes *Penicillium, Aspergillus, Cladosporium, Stachybotrys* Species ID & Count)
M009 Bacteria Culture Gram Stain & Count
M010 Bacteria Count & ID - 3 Most Prominent
M011 Bacteria Count & ID - 5 Most Prominent
M012 Pseudomonas aeruginosa (P/A***)
M024 Pseudomonas aeruginosa (MFT*)
M015 Heterotrophic Plate Count
M017 Total Coliform & E. coli (Colilert P/A***)
M018 Total Coliform & E. coli (MFT*)
M114 Total Coliform & E. coli Enumeration (Colilert MPN**)
M019 Fecal Coliform (MFT*)
M020 Fecal Streptococcus (MFT*)
M029 Enterococci (MFT*)
M129 Enterococci (Enterolert P/A***)
M180 Real Time qPCR-ERMI 36 Panel
M025 Sewage Screen –Water (MFT*)
M115 Sewage Screen - Water (P/A***)
M116 Sewage Screen - Water (MPN**)
M117 Sewage Screen - Swab (P/A***)
M013 Sewage Screen - Swab (MFT*)
M133 Methicillin-resistant Staph. aureus (MRSA)
M031 Rapid-growing non-TB Mycobacteria Detection & Enumeration
M014 Endotoxin Analysis
M044 Group Allergen (Cat, Dog, Cockroach, Dust Mite)
Other See Analytical Price Guide
~~**Legionella Analysis** Please use EMSL~~ Legionella COC

*MFT= Membrane Filtration Technique
**MPN= Most Probable Number
***P/A= Presence/Absence

Name of Sampler: Philip J. Page **Signature of Sampler:**

Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable (only for waters)	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only)
Example A1	Kitchen Sink/Tap	Water	☒ P ☐ NP	M017	100 mL	9/1/13 4:00 PM	
A1	HW o/s 306	Air	☐ P ☐ NP	M032	75L	9/21/18 1258	
A2	HW o/s STAFF BATH	↓	☐ P ☐ NP	↓	↓	1300	
A3	HW o/s 308		☐ P ☐ NP			1310	
A4	Rm 308		☐ P ☐ NP			1314	
A5	HW o/s BOYS BATH		☐ P ☐ NP			1320	
A6	BOYS BATH (3RD FLOOR)		☐ P ☐ NP			1321	

Client Sample # (s): - **Total # of Samples:** 39 **Samples Received Chilled?** Yes / No

Relinquished (Client): [signature] **Date:** 9/21/18 **Time:**

Received (Lab): Kelsey Sorensen **Date:** 9/22/18 **Time:** 0917

Comments/Special Instructions:
Mech (Fx) 9/22/18 9:55

OrderID: 321821735

EMSL ANALYTICAL, INC.
LABORATORY · PRODUCTS · TRAINING

Microbiology Chain of Custody

EMSL Order Number (*Lab Use Only*):

#321821735

EMSL Analytical, Inc.
307 West 38th Street

New York, NY 10018
PHONE: (212) 290-0051
FAX: (212) 290-0058

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only)
T6	HW c/s 306, ABV CT	TAPE	☐P ☐NP	M041		9/21/18	
T7	↓ , ON DUCT	↓	☐P ☐NP	↓		↓	
T8	Rm 308, HW SIDE, ABV SR		☐P ☐NP				
T9	3RD BOYS BATH, ABV CT		☐P ☐NP				
T10	↓ , ON SOFF	↓	☐P ☐NP	↓			
B1	Rm 103, WINDOW SIDE, SOFFIT	BULK	☐P ☐NP	M041			
B2	Rm 107,	↓	☐P ☐NP	↓			
B3	Rm 109,		☐P ☐NP				
B4	Rm 203, HW SIDE, ENTRY CEILING	↓	☐P ☐NP	↓		↓	
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				
			☐P ☐NP				

Comments/Special Instructions:

9/21/18 6:17pm

OrderID: 321821735

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Microbiology Chain of Custody

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307 West 38th Street

New York, NY 10018
PHONE: (212) 290-0051
FAX: (212) 290-0058

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Location/Description	Sample Type	Potable/ NonPotable	Test Code	Volume/ Area	Date/Time Collected	Temperature (°C) (Lab Use Only)
A7	HW o/s 305	AIR	☐P ☐NP	M032	75L	9/21/18 1330	
A8	Rm 305		☐P ☐NP			1331	
A9	HW o/s 309		☐P ☐NP			1337	
A10	Rm 309		☐P ☐NP			1339	
A11	Rm 303		☐P ☐NP			1346	
A12	HW o/s 303		☐P ☐NP			1347	
A13	Rm 301		☐P ☐NP			1354	
A14	HW o/s 301		☐P ☐NP			1357	
A15	Rm 109		☐P ☐NP			1406	
A16	Rm 107		☐P ☐NP			1418	
A17	HW o/s 107		☐P ☐NP			1424	
A18	Rm 103		☐P ☐NP			1426	
A19	HW o/s 203		☐P ☐NP			1436	
A20	Rm 203		☐P ☐NP			1437	
A21	EXTERIOR - EAST		☐P ☐NP			1446	
A22	" - SOUTH		☐P ☐NP			1453	
A23	" - NORTH		☐P ☐NP			1500	
A24	" - WEST		☐P ☐NP			1502	
A25	BLANK		☐P ☐NP		BLANK		
T1	Rm 109, HW SIDE, HATCH	TAPE	☐P ☐NP	M041			
T2	3RD, HW o/s STAFF BATH, ONSR		☐P ☐NP				
T3	Rm 301, HW SIDE, ABV SR		☐P ☐NP				
T4	Rm 303,		☐P ☐NP				
T5	Rm 305,		☐P ☐NP				

Comments/Special Instructions:

Kerry Lewis
9/21/18 617p

APPENDIX C

EPA APPROVED CLEANER

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

OCT 30 2000

Sunshine Makers, Inc.
15992 Pacific Coast Highway
Huntington Harbour, CA 92649

ATTENTION: Jim T. Hill, Ph.D.
Agent for Sunshine Makers, Inc.

SUBJECT: Simple Green d Antibacterial
EPA Registration Number 56782-2
Your Amendment Dated: July 7, 2000
EPA Received Date: July 10, 2000

The amendment referred to above, submitted in connection with registration under FIFRA Sec. 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3 (c)(5) when the Agency requires all registrants of similar products to submit such data.

The submitted Acute Dermal Toxicity Study (MRID 452028-01) and particle size determination study (MRID 451625-01) have been reviewed. The Acute Dermal Study is acceptable and has been assigned toxicity category IV. The submitted particle size study is sufficient to support a waiver of the requirement for an Acute Inhalation Toxicity study for Simple Green D. The assigned Acute Inhalation Toxicity category is IV based upon the lack of respirable particles and the lack of toxicity displayed in the acute oral and acute dermal toxicity studies.

CONCURRENCES								
SYMBOL	7510C							
SURNAME								
DATE	10/25/00							

The acute toxicity profile for this product is as follows:

Acute Oral	IV	Acceptable
Acute Dermal	IV	Acceptable
Acute Inhalation	IV	Waived
Primary Eye Irritation	III	Acceptable
Primary Skin Irritation	III	Acceptable
Dermal Sensitization	Nonsensitizer	Acceptable

A copy of the toxicology review is enclosed for your records.

2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

A. In the use statements for "Option 1: Uses Statement" for Simple Green Antibacterial Kitchen & Bathroom Cleaner/Disinfectant delete the surfaces "drain boards & covers" as each appears in the text of this section. Replace with the following terms: "dish draining boards" and "sink covers." Make the same correction to the use statements for "Option 2: Uses Statement" Crystal Simple Green D.

B. The following surfaces are not acceptable in the section "Option 2: Uses Statement" for Crystal Simple Green D: rubber, stone, brick, terra cotta, and stucco. Delete these surfaces from this section of the label. If you wish to add these surfaces at a later time for the use of this product indoors, submit an amendment which includes efficacy data for the use of this product on porous surfaces.

C. In the use statements for "Option 2: Uses Statement" Crystal Simple Green D revise to state "The following statement is required if label lists use on Medical *Equipment*: Bedframes, Bedpans, Gurneys, or Wheelchairs."

D. In the use statements for "Option 2: Uses Statement" Crystal Simple Green D revise "tile" to state "*glazed* tile."

E. Revise the "Option 3: Uses Statement" for D/2 Architectural Antimicrobial to read as follows such that this statement will clearly define the sites for use of this product. "*For use on hard non-porous, washable surfaces. For use on: floors, walkways, walls, ceilings, counters, benches, tables, sinks, tubs, sculpture, decorative fountains, trash receptacles, spas, vats, tanks, machinery, gravestones, waste handling and storage areas of the following architectural structures: hospitals, schools, universities, churches, office buildings, libraries, museums, bridges, monuments, commercial, institutional and industrial facilities.* Also add the following statement: "For use on the following outdoor surfaces: rubber, stone, brick, terra cotta, concrete and stucco."

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

F. In the statements for "Option 1 & 2: Directions for Use" for Simple Green Antibacterial Kitchen & Bathroom Cleaner/Disinfectant; Crystal Simple Green D make the following revisions. Revise to read "When used on food contact surfaces, *follow with potable water rinse*. Cover or remove food if present." Also revise to state "For Disinfecting *and Deodorizing:* Use full strength. 1. Pre-clean area to be disinfected or *deodorized*..."

G. In the statements for "Option 3: Directions for Use" for D/2 Architectural Antimicrobial make the following addition: "***When used on food contact surfaces a pre-cleaning step is required and food must be covered or removed if present. Following use of this product on food contact surfaces, rinse with potable water.***"

H. In the statements for "Option 1, 2 & 3: Precautionary Statements" for Simple Green Antibacterial Kitchen & Bathroom Cleaner/Disinfectant; D/2 Architectural Antimicrobial; Crystal Simple Green D delete the statement "Avoid contamination of food or feed."

3. Submit two (2) copies of your **final printed** labeling before you release the product for shipment.

If these conditions are not complied with, this registration will be subject to cancellation in accordance with FIFRA sec. 6 (e). Your release for shipment of this product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records. Should you have any questions concerning this letter, please contact Tracy Lantz at (703) 308-6415.

Sincerely,

Velma Noble
Product Manager (31)
Regulatory Management Branch I
Antimicrobials Division (7510C)

Enclosures: Toxicity Review
Stamped Label
7510C:T.Lantz:10/20'00:56782-2e

CONCURRENCES								
SYMBOL								
SURNAME								
DATE								

*U.S. Government Printing Office: 1992 — 620-856/40672

MASTER LABEL FOR SIMPLE GREEN D ANTIBACTERIAL
EPA REGISTRATION 56782-2

ACCEPTED
with COMMENTS
In EPA Letter Dated:
OCT 30 2006

[FRONT PANEL]

Kills Most Bacteria* in 60 Seconds

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 56782-2

[OPTION 1: ALTERNATE NAME (indoor/household)]
Simple Green Antibacterial
Kitchen & Bathroom Cleaner/Disinfectant

[OPTION 2: ALTERNATE NAME (indoor/commercial)]
Crystal Simple Green d
Institutional Cleaner/Disinfectant/Deodorizer

[OPTION 3: ALTERNATE NAME (indoor-outdoor/commercial)]
D/2 Architectural Antimicrobial

*Kills Salmonella choleraesuis, Pseudomonas aeruginosa, Escherichia coli, many gram positive/gram negative and odor-causing bacteria.

CAUTION:
KEEP OUT OF REACH OF CHILDREN.
See back panel for additional precautionary statements.

[OPTIONAL] – Please See Inside Pocket Label for International Translations.

ACTIVE INGREDIENTS:	
Octyl decyl dimethyl ammonium chloride	0.30%
Dioctyl dimethyl ammonium chloride	0.12%
Didecyl dimethyl ammonium chloride	0.18%
Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride	0.40%
INERT INGREDIENTS	99.00%
TOTAL	100.00%

OUNCES/GALLONS/LITRES

[BACK PANEL]

[OPTIONS 1 & 2: EFFICACY STATEMENT] SIMPLE GREEN ANTIBACTERIAL KITCHEN & BATHROOM CLEANER/DISINFECTANT; CRYSTAL SIMPLE GREEN D

Effective against a broad spectrum of bacteria: Salmonella choleraesuis, Staphylococcus aureus, Pseudomonas aeruginosa, Streptococcus pyogenes, Escherichia coli, and many gram positive/gram negative bacteria.

[OPTION 3: EFFICACY STATEMENT] D/2 ARCHITECTURAL ANTIMICROBIAL

D/2 is an easy-to-use liquid that kills and aids in the removal of a broad spectrum of bacteria. Effective against many gram positive/gram negative bacteria. Cleans mold, mildew and algae.

[OPTION 1: USES STATEMENT] SIMPLE GREEN ANTIBACTERIAL KITCHEN & BATHROOM CLEANER/DISINFECTANT

Non-damaging to non-porous, washable hard surfaces: walls, floors, counters, glazed tile, toilet seats and rims, sinks, tubs and showers, stove-tops, refrigerators, microwaves, drain boards & covers, trash receptacles, cutting boards, exercise equipment, and saunas.

[OPTION 2: USES STATEMENT] CRYSTAL SIMPLE GREEN D

For use on non-porous, washable hard surfaces: aluminum, chrome, fiberglass, linoleum, glazed porcelain and tile, rubber, concrete, stainless steel, stone, brick, terra cotta, and stucco found in: floors, walls, ceilings, counters, cutting boards, tables, sinks, tubs, showers, toilet & urinal seats rims and exteriors, stove-tops, refrigerators, microwaves, drain boards & covers, trash receptacles, rehabilitation and exercise equipment, spas, vats, tanks, conveyor belting, machinery, bed-frames, bedpans, gurneys, and wheelchairs. Use in hospitals, institutional kitchens, hotels, schools, offices, locker rooms, athletic centers, waste handling and storage areas.

[REGARDING OPTION 2 USES STATEMENT, THE FOLLOWING STATEMENT IS REQUIRED IF LABEL LISTS USE ON MEDICAL DEVICES, INCLUDING BEDFRAMES, BEDPANS, GURNEYS, OR WHEELCHAIRS]

This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfecting.

[OPTION 3: USES STATEMENT] D/2 ARCHITECTURAL ANTIMICROBIAL

For use on non-porous, washable hard surfaces: floors, walkways, walls, ceilings, counters, benches, tables, sinks, tubs, trash receptacles, spas, vats, tanks, sculpture, monuments, decorative fountains, gravestones, machinery, waste handling and storage areas.

ACCEPTED
with COMMENTS
in EPA Letter Dated:
OCT 30 2008

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No 56782-2

6/7

[BACK PANEL - CONT'D]

[OPTIONS 1 & 2: DIRECTIONS FOR USE] *SIMPLE GREEN ANTIBACTERIAL KITCHEN & BATHROOM CLEANER/DISINFECTANT; CRYSTAL SIMPLE GREEN D*

DIRECTIONS FOR USE

- It is a violation of federal law to use this product in a manner inconsistent with its labeling.
- Drain water from spas and saunas before using this product.
- **When used on food contact surfaces, rinse with potable water. Cover or remove food if present.**

For disinfecting: *Use full strength.* 1. Pre-clean area to be disinfected as instructed by the general cleaning directions below. 2. Apply [*Simple Green d Antibacterial*] with sponge, mop or coarse spray. 3. Wait 60 seconds. 4. Rinse or wipe off.

For general cleaning: 1. Mix 1:20 solution: - - - - - - - - - -

Simple Green d Antibacterial	TO	Water
¼ Cup	TO	5 Cups
6.5 ozs.	TO	(1-gallon) 128 ozs.

2. Apply to surface with sponge, mop or coarse spray.
3. Rinse or wipe off.
4. **For glass cleaning:** Mix 1:150 solution (1 teaspoon of [*Simple Green d Antibacterial*] to 24 oz. spray bottle filled with water). Apply. Wipe dry.

[OPTION 3: DIRECTIONS FOR USE] *D/2 ARCHITECTURAL ANTIMICROBIAL*

DIRECTIONS FOR USE

- It is a violation of federal law to use this product in a manner inconsistent with its labeling.
- Drain water from architectural structures before application of this product.

Use full strength. 1. Remove loose soiling with a dry brush. 2. Apply D/2 to hard surface with brush, roller or coarse spray until thoroughly wet. 3. Allow D/2 to remain on surface for at least 60 seconds. 4. Apply additional product to maintain wet surface, and scrub thoroughly with a non-metallic, short-fibered scrub brush. 5. Mist with water and continue scrubbing. 6. Rinse thoroughly with potable water. (1 gallon treats 350 to 400 sq. ft.)

[OPTION 1: STORAGE & DISPOSAL] *SIMPLE GREEN ANTIBACTERIAL KITCHEN & BATHROOM CLEANER/DISINFECTANT (For containers ≤ 1 gallon)*

STORAGE AND DISPOSAL:

Disposal: Do not reuse empty container. Rinse container thoroughly and offer for recycling or discard in trash.

Storage: Store at normal room temperature.

[OPTION 2 AND 3: STORAGE & DISPOSAL] *D/2 ARCHITECTURAL ANTIMICROBIAL; CRYSTAL SIMPLE GREEN D (For containers ≥ 5 gallon)*

STORAGE AND DISPOSAL: Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store at normal room temperature in tightly closed container and secure area inaccessible to children and away from food and feed.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Do not reuse empty container. Triple rinse (or equivalent) container then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or incineration, or if allowed by state and local authorities by burning. If burned stay out of smoke.

[BACK PANEL - CONT'D]

[OPTION 1, 2 AND 3: PRECAUTIONARY STATEMENTS] *SIMPLE GREEN ANTIBACTERIAL KITCHEN & BATHROOM CLEANER/DISINFECTANT; D/2 ARCHITECTURAL ANTIMICROBIAL; CRYSTAL SIMPLE GREEN D*

PRECAUTIONARY STATEMENTS:

Hazards to Humans and Domestic Animals:

CAUTION. Keep Out of Reach of Children. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Avoid contamination of food or feed.

First Aid:

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

[OPTIONS 2 AND 3: ENVIRONMENTAL HAZARDS STATEMENT]

D/2 ARCHITECTURAL ANTIMICROBIAL; CRYSTAL SIMPLE GREEN D

(For all containers)

Environmental Hazards Statement: This product is toxic to fish. Do not apply directly to water. Do not contaminate water when cleaning equipment or disposing of equipment wash-water. Do not use on boats or other structures that come into direct contact with aquatic environments, such as concrete pilings. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

U.S. EPA Registration No. 56782-2
U.S. EPA Establishment No. 40873-GA-01
U.S. EPA Establishment No. 40873-CA-01

Questions? Call toll free in the U.S. and Canada 1-800-228-0709
Made in the U.S.A.
1998 Sunshine Makers, Inc. - P.O. Box 2708, Huntington Beach, CA 92647
www.simplegreen.com

-END-

Revised: June 19, 2000

ACCEPTED
with COMMENTS
In EPA Letter Dated:
OCT 30 2000

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 56782-2

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12

Mold Assessor Company License

Adelaide Env Health Assoc ,Inc
1511 Rte 22 Suite C24
BREWSTER, NY 10509

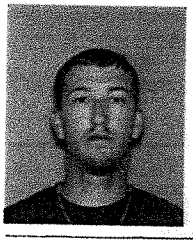
LICENSE NUMBER 00074
DATE OF ISSUE: 1/22/2018
EXPIRATION DATE 12/31/2019

This license is valid only for the contractor named above.

Eileen Franko, Director
FOR THE COMMISSIONER OF LABOR

STATE OF NEW YORK - DEPARTMENT OF LABOR
MOLD ASSESSOR

N.Y.S



PHILIP J. PAGE

EXPIRES: 12-18

CERT# MA00990

01213 004247372 84

EYES BLN
HAIR BRN
HGT 6' 0 "

IF FOUND, RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

APPENDIX D

PERSONNEL AND LABORATORY CERTIFICATIONS

NEW YORK STATE - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
LICENSE AND CERTIFICATE UNIT
STATE CAMPUS BUILDING 12

Mold Assessor Company License

Adelaide Env Health Assoc ,Inc
1511 Rte 22 Suite C24
BREWSTER, NY 10509

LICENSE NUMBER 00074
DATE OF ISSUE: 1/22/2018
EXPIRATION DATE 12/31/2019

This license is valid only for the contractor named above.

Eileen Franko, Director
FOR THE COMMISSIONER OF LABOR

STATE OF NEW YORK - DEPARTMENT OF LABOR
MOLD ASSESSOR

JASON FULLUM

EXPIRES: 12-19

CERT# MA00058

EYES BLU
HAIR BRN
HGT 5' 11"

IF FOUND, RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

01213 00443062565

STATE OF NEW YORK - DEPARTMENT OF LABOR
MOLD ASSESSOR

N.Y.S

PHILIP J. PAGE

EXPIRES: 12-18

CERT# MA00990

01213 004247372 84

EYES BLN
HAIR BRN
HGT 6' 0 "

IF FOUND, RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR

MOLD ASSESSOR

N.Y.S

ROBERT SEE

EXPIRES: 03-20

CERT# MA00453

01213 004430629 87

EYES BRN

HAIR BLD

HGT 5' 9 "

IF FOUND, RETURN TO:

NYSDOL - L&C UNIT

ROOM 161A BUILDING 12

STATE OFFICE CAMPUS

ALBANY NY 12240

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

EMSL Analytical, Inc.

307 West 38th Street, New York, NY 10018

Laboratory ID: 102581

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

✓	**INDUSTRIAL HYGIENE**	Accreditation Expires: August 01, 2020
☐	**ENVIRONMENTAL LEAD**	Accreditation Expires:
✓	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: August 01, 2020
☐	**FOOD**	Accreditation Expires:
☐	**UNIQUE SCOPES**	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Beth Bair

Elizabeth Bair
Chairperson, Analytical Accreditation Board

Cheryl O. Morton

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 16: 03/21/2018

Date Issued: 04/30/2018

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

LA Testing

520 Mission Street, South Pasadena, CA 91030

Laboratory ID: 102814

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

✓	**INDUSTRIAL HYGIENE**	Accreditation Expires: April 01, 2020
✓	**ENVIRONMENTAL LEAD**	Accreditation Expires: April 01, 2020
✓	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: April 01, 2020
☐	**FOOD**	Accreditation Expires:
☐	**UNIQUE SCOPES**	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Beth Bair

Elizabeth Bair
Chairperson, Analytical Accreditation Board

Cheryl O. Morton

Cheryl O. Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision 16: 03/21/2018

Date Issued: 04/30/2018

AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

LA Testing
520 Mission Street, South Pasadena, CA 91030

Laboratory ID: **102814**
Issue Date: 04/30/2018

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 11/01/2003

IHLAP Scope Category	**Field of Testing (FoT)** (FoTs cover all relevant IH matrices)	**Technology sub-type/ Detector**	**Published Reference Method/Title of In-house Method**	**Method Description or Analyte** *(for internal methods only)*
Spectrometry Core	Inductively-Coupled Plasma	ICP/OES	NIOSH 7300 Modified	
			NIOSH 7303	
Asbestos/Fiber Microscopy Core	Phase Contrast Microscopy (PCM)		NIOSH 7400	

A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org

AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

EMSL Analytical, Inc.
307 West 38th Street, New York, NY 10018

Laboratory ID: **102581**
Issue Date: 04/30/2018

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Environmental Microbiology Laboratory Accreditation Program (EMLAP)

Initial Accreditation Date: 09/01/2003

EMLAP Category	Field of Testing (FoT)	Method	Method Description (*for internal methods only*)
Fungal	Air - Direct Examination	MICRO-SOP-201 (formally 05-TP-003.7)	Standard Operating Procedure for the Analysis of Airborne Fungal Spores, Hyphal Fragments, Pollen, Insect Fragments, Skin Fragments and Fibrous Particulate by Optical Microscopy of Spore Trap Samples
	Bulk - Direct Examination	MICRO-SOP-200 (formally M041)	Standard Operating Procedure for the Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, Pollen, Insect Fragments, and Fibrous Material from Surface Samples
	Surface - Direct Examination	MICRO-SOP-200 (formally M041)	Standard Operating Procedure for the Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, Pollen, Insect Fragments, and Fibrous Material from Surface Samples
Bacterial	Legionella	MICRO-SOP-105	ISO 11731:2017

A complete listing of currently accredited Environmental Microbiology laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org