



Laboratory Analysis Report

AEMTEK No. 22021202

AEMTEK, Inc.
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Submitted to: Florida State University, Environ Health & Safety
1021 Atomic Way,
Tallahassee, FL 32306
Attn: Mark Klawinski

Purpose: The purpose of this report is to present laboratory results obtained by analyzing the samples submitted to Aemtek, Inc. The report includes this cover and the data sheet(s).

Limitation: The test results presented in this report are only related to the samples supplied by the client and analyzed by Aemtek. This report shall not be reproduced, except in full, without written authorization of Aemtek. Aemtek shall have no liability to anyone with respect to any interpretations or uses of the laboratory report, decisions made or actions taken as a result of or based on the data reported. In no event shall Aemtek's liability with respect to the reported test results exceed the amount paid for the project by the client to Aemtek.

Sample Information: Sample identification, location, volume, weight, and area are from the client's Chain of custody. Unless specifically noted, the samples were received in acceptable condition.

Significant Figures: Because of the nature of the biological samples and analytical methods, the number of significant figures should generally be one of two, although the actual calculation results are reported.

Sample Custody: Samples accepted by Aemtek shall remain the property of client while in the custody of Aemtek. Aemtek shall retain preparation of samples for 7 days following the date of issuing this report. After the retention period, the samples shall be sterilized and discarded, unless otherwise requested by the client.

Confidentiality: Aemtek shall not provide analytical results or client's project information to any party other than the client, unless requested by the client, in writing, or by law.

About Aemtek: Aemtek, Inc. is an environmental microbiology laboratory providing reliable, fast, and expert laboratory services for the detection, identification, and analysis of microorganisms. We are committed to excellence in quality, service, and technology. The laboratory is accredited by the American Industrial Hygiene Association (AIHA) in the Environmental Microbiology Laboratory Accreditation Program (EMLAP Lab #167620).

Project ID: Sandels

Project Location: Heat Duct

Client Sampling Date: 2/15/2022

Sample Received on: 2/16/2022

Analysis Started on: 2/16/2022

Data Reported on: 2/18/2022

Approved By:

Thomas Giang
Laboratory Manager



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Laboratory Analysis Report

Data Sheet

AEMTEK No. 22021202

Project ID: Sandels
 Project Location: Heat Duct

Submitted to:
 Florida State University, Environ Health & Safety
 Tallahassee, FL 32306

Analysis Performed: Fungal Direct Examination-BDST

Sample ID	1
Sample Location	Heat Duct - Debris/Dust/Black Particles
Sample Type	BULK
Fungal Identification	Characterization
<i>Acremonium</i>	-
<i>Alternaria</i>	-
Ascospores	-
<i>Aspergillus</i>	-
<i>Aspergillus</i> / <i>Penicillium</i> -like	Rare
<i>Aureobasidium</i>	-
Basidiospores	-
<i>Bipolaris Dreschlera</i>	-
<i>Botrytis</i>	-
<i>Ceratocystis</i> / <i>Ophiostoma</i>	-
<i>Chaetomium</i>	-
<i>Cladosporium</i>	Colony
<i>Curvularia</i>	-
<i>Epicoccum</i>	-
<i>Mucor</i>	-
<i>Myxomycetes</i> / <i>Periconia</i> / Rust / Smut	-
<i>Nigrospora</i>	-
<i>Penicillium</i>	-
<i>Petriella</i>	-
<i>Pithomyces</i>	-
<i>Stachybotrys</i>	-
<i>Stemphylium</i>	-
<i>Ulocladium</i>	-
Other hyaline spores	-
Other colored spores	-
Hyphal fragments	TNTC

Method ID: SOP AF102

Direct microscopy detection limit: One spore or one hyphal fragment per sample.

Data Interpretation Guideline:

Rare: 1 to 10 spores observed per sample preparation
 Some: 11 to 30 spores observed per sample preparation
 Common: 31-60 spores observed per sample preparation
 Many: 61 to 100 spores observed per sample preparation
 Abundant: More than 100 spores observed per sample preparation

TNTC: Too numerous to count, but no fruiting structure observed
 Colony: Abundant or numerous spores and associated fruiting structures observed
 *: Spores associated with hyphae and/or fruiting structures
 None Detected: No spore or hyphal fragment observed per sample preparation

Performed by: Thomas Giang

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Data Sheet

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Project ID: Sandels
 Project Location: Heat Duct

Submitted to:
 Florida State University, Environ Health & Safety
 Tallahassee, FL 32306

Analysis Performed: Particle ID

Sample ID	1
Sample Location	Heat Duct - Debris/Dust/Black Particles
Sample Type	BULK
Analyzed Portion (sample)	1
Particles Identification	Estimated Relative Abundance
Char-Burntwood	-
Cotton Fibers	-
Dust Mite parts	-
Feather	-
Fungal Spores/Hyphal Fragments	COLONY
Glass/Mineral Fiber	-
Gypsum	-
Hairs	-
Ink and Paint	-
Insect Parts	Rare
Magnetic/Rust Fragments	-
Organic Platter-Shaped Particles	-
Other Manmade Fibers	-
Other Opaque Particles	-
Other Rocks/Minerals Particles	-
Plant/Paper Fibers	-
Pollen	Rare
Pumice debris	-
Skin cells	-
Soot-like/Carbonized Fragments	Common
Trichomes	-
Unidentified/Amorphous	-
Wood fragments	-

Method ID: Optical and Phase Contrast Microscopy Examination

Direct microscopy detection limit: One particle or one hyphal fragment per sample.

Data Interpretation Guideline:

- Rare: 1 to 10 particles observed per sample preparation
- Some: 11 to 30 particles observed per sample preparation
- Common: 31-60 particles observed per sample preparation
- Many: 61 to 100 particles observed per sample preparation
- Abundant: More than 100 particles observed per sample preparation
- TNTC: Too numerous to count, but no fruiting structure observed
- Colony: Abundant or numerous spores and associated fruiting structures observed
- *: particles associated with hyphae and/or fruiting structures
- None Detected: No particle or hyphal fragment observed per sample preparation



AEMTEK

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Industrial Hygiene Testing

22021202

Aemtek No.:

Email: labreports@aemtek.com AEMTEK Environmental Lab 466 Kato Terrace, Fremont, CA 94539 Phone: 510-979-1979 Fax: 510-668-1980

Sample Type Codes		Contact Information				Project Information			
A - Air	B - Bulk	Company: Florida State University, Environ. Health & Safety		Contact: Mark Klawinski		Project: Sandels			
C - Culture	D - Dust	Address: 1021 Atomic Way, Tallahassee, FL 32306				Site: heat duct			
S - Swab	T - Tape	Phone: 850/644-8177 E-mail: mklawinski@fsu.edu				Sampled by: Dept.			
W - Water	Other:	Email for reporting: mklawinski@fsu.edu				Sampling Date: 2/15/22			
Analysis Codes		Sample ID	Sampling Location	Weight (g), Volume (L) or Area (sq. in.)	Analysis Requested	Sample Type	Turn Around Time	Notes / List of Target PCR Species (if applicable)	
FDE - Fungi Direct Exam: identifying fungi to genus or spore type. Rush services available.					Please use the codes on the right or specify				
FCG - Fungi Culturable, identified to Genus only.		1	heat duct, - debris/dust/black particles		FDE & particle ID	B	STD		
FCS - Fungi Culturable, common Species identification without subculturing.									
EBC - Environmental Bacteria Count and group/genus ID									
SSC - Sewage Screen for total coliforms, <i>E. coli</i> , and enterococci. Please specify qualitative or quantitative.									
Legionella									
LG-C - Legionella Culturable									
Legiolert - <i>L.pneumophila</i> Detection									
LG-QPCR - <i>L.pneumophila</i> screen									
Fungal QPCR Panels:									
Health Care 46 - 46 species									
Indoor Mold Panel - 22 species									
Pathogenic <i>Aspergillus</i> spp.									
Metagenomic Sequencing									
16S - Bacteria To request both ITS - Fungi write: 16S & ITS		Relinquished by		Submit Samples To:		Notes:		Received by AEMTEK: Date & Time	
Turn Around Time		sign <i>Mark Klawinski</i> date 2/15/22 print <i>Mark Klawinski</i> time 12:45 PM		AEMTEK Sample Receiving Attn: Environmental Lab 466 Kato Terrace Fremont, CA 94539		Sample collected by dept., dropped off at EHS office		<i>Mark Klawinski</i> 2/16/22 1:00	
STD - standard/default, 7 days for culturable, 2-5 days for bacterial analysis.		Call 510-979-1979 or email lab@aemtek.com with your specific analytical needs and concerns. To ensure analytical integrity, we reserve the right to reject inappropriately prepared/shipped samples. All analytical services subject to our standard terms and conditions. Swab, culture plates and water samples should be shipped overnight and cold. If no turn around time indicated, standard report time applies. Samples received after 5:00 pm on business days or in the weekend will be logged in the next business day. For "same day" service, samples must be received before 10 am; for "same day", 12:00 pm; for "3 hours". Our business hours are 8:00 am - 5:00 pm, PST, Monday - Friday. Contact the lab to arrange weekend or holiday analysis. For sampling and shipping information, please visit www.aemtek.com.							
FDE Only TAT Options									
STD - 2 days	3H - 3 hours								
SD - Same Day	1D - 1 day								

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