



AccuScience™
Analysis Report

QLab, 256 Bridge St, Metuchen, NJ 08840
info@qlabusa.com www.QLABusa.com
AIHA EMPAT Lab ID: 178794

Analysis: AccuScience Premium Direct Exam (FD-02HP)
Client: RK Environmental
Phillipsburg, NJ
Contact: McGuinness, Michael
Project ID: Francis A Desmares ES

QLab Job No.: ME180904-14
Date Sampled: 9/4/2018
Date Received: 9/4/2018
Date Reported: 9/6/2018

Reviewed by: WT

Approved by: Wei-Chih Tang, Ph.D., Lab Director

Lab Sample No.	ME180904-14(1)		ME180904-14(2)		ME180904-14(3)	
Sample ID	01T		02T		03T	
Sample Location	17B		17A		15A	
Sample Type (Device)	Surface (Gel-Tape)		Surface (Gel-Tape)		Surface (Gel-Tape)	
Date Analyzed	9/6/2018		9/6/2018		9/6/2018	
Identification	(1) Peak Density (within 1 mm dia.)*		(1) Peak Density (within 1 mm dia.)*		(1) Peak Density (within 1 mm dia.)*	
	Spores	Hyphae/Structure	Spores	Hyphae/Structure	Spores	Hyphae/Structure
Major Hydrophilic Fungi:***						
Stachybotrys						
Chaetomium						
Ulocladium						
Acremonium						
Trichoderma						
Aureobasidium						
Yeasts (cells)						
Other Fungi:						
Aspergillus/Penicillium-like						
Aspergillus						
Penicillium						
Cladosporium						
Alternaria						
Curvularia						
Epicoccum						
Myxomycetes/smuts/Periconia						
Nigrospora						
Pithomyces						
Unidentifiable w/o culturing						
Summary	(2) Overall Coverage		(2) Overall Coverage		(2) Overall Coverage	
Sample Size Examined	150 mm ²		150 mm ²		150 mm ²	
Mycologix™ Fungal Biomass Level#	1: Normal Background		1: Normal Background		1: Normal Background	
Mold/Yeast Growth Observed	No		No		No	
Sample Mold/Yeast Coverage**	None		None		None	
Sample Debris Coverage**	Trace: < 3%		Trace: < 3%		Low: 3 - 10%	
Note						

Mycologix™ Fungal Biomass Level: 1: Normal Background, 2A: Settled Biomass, 2B: Residual Biomass
3A: Slight Growth, 3B: Moderate Growth, 3C: Heavy Growth

*Peak Density: Peak density of fungal biomass (spores, reproduction structures, hyphae, etc.)
observed under the microscope within the viewfield of 200X magnification (approximately 1 mm in diameter).

++++, +++, ++, +: Biomass covering >50%, 10-50%, 3-10%, <3% of the 200X viewfield, respectively

** Sample Coverage of Fungi/Debris: Overall coverage of fungal biomass/debris collected on the tape samples
Tape/slide samples are taken from bulk/swab samples received and then analyzed under microscope.

High, Medium, Low, Trace: Biomass/debris covering >50%, 10-50%, 3-10%, <3% of the entire sample, respectively

***Hydrophilic Fungi: Water-loving fungi, Min. Aw >0.89. Absence of hydrophilic fungi does not exclude the
possibility of a water damage history.



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Lab Sample No.	ME180904-14(4)		ME180904-14(5)		ME180904-14(6)	
Sample ID	04T		05T		06T	
Sample Location	15B		14		11	
Sample Type (Device)	Surface (Gel-Tape)		Surface (Gel-Tape)		Surface (Gel-Tape)	
Date Analyzed	9/6/2018		9/6/2018		9/6/2018	
Identification	(1) Peak Density (within 1 mm dia.)*		(1) Peak Density (within 1 mm dia.)*		(1) Peak Density (within 1 mm dia.)*	
	Spores	Hyphae/Structure	Spores	Hyphae/Structure	Spores	Hyphae/Structure
Major Hydrophilic Fungi:***						
Stachybotrys						
Chaetomium						
Ulocladium						
Acremonium						
Trichoderma						
Aureobasidium						
Yeasts (cells)						
Other Fungi:						
Aspergillus/Penicillium-like	+				+	
Aspergillus						
Penicillium						
Cladosporium					+	
Alternaria						
Curvularia						
Epicoccum						
Myxomycetes/smuts/Periconia						
Nigrospora						
Pithomyces					+	
Unidentifiable w/o culturing	+					
Summary	(2) Overall Coverage		(2) Overall Coverage		(2) Overall Coverage	
Sample Size Examined	150 mm ²		150 mm ²		150 mm ²	
Mycologix™ Fungal Biomass Level#	1: Normal Background		1: Normal Background		1: Normal Background	
Mold/Yeast Growth Observed	No		No		No	
Sample Mold/Yeast Coverage**	Trace: < 3%		None		Trace: < 3%	
Sample Debris Coverage**	Trace: < 3%		Trace: < 3%		Trace: < 3%	
Note						

Mycologix™ Fungal Biomass Level: 1: Normal Background, 2A: Settled Biomass, 2B: Residual Biomass
3A: Slight Growth, 3B: Moderate Growth, 3C: Heavy Growth

*Peak Density: Peak density of fungal biomass (spores, reproduction structures, hyphae, etc.)
observed under the microscope within the viewfield of 200X magnification (approximately 1 mm in diameter).

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Lab Sample No.	ME180904-14(7)		ME180904-14(8)		ME180904-14(9)	
Sample ID	07T		08T		09T	
Sample Location	9A		12		10	
Sample Type (Device)	Surface (Gel-Tape)		Surface (Gel-Tape)		Surface (Gel-Tape)	
Date Analyzed	9/6/2018		9/6/2018		9/6/2018	
Identification	(1) Peak Density (within 1 mm dia.)*		(1) Peak Density (within 1 mm dia.)*		(1) Peak Density (within 1 mm dia.)*	
	Spores	Hyphae/Structure	Spores	Hyphae/Structure	Spores	Hyphae/Structure
Major Hydrophilic Fungi:***						
Stachybotrys						
Chaetomium						
Ulocladium						
Acremonium						
Trichoderma						
Aureobasidium						
Yeasts (cells)						
Other Fungi:						
Aspergillus/Penicillium-like						
Aspergillus						
Penicillium						
Cladosporium			+		+	
Alternaria						
Curvularia						
Epicoccum						
Myxomycetes/smuts/Periconia						
Nigrospora						
Pithomyces						
Unidentifiable w/o culturing	+		+			
Summary	(2) Overall Coverage		(2) Overall Coverage		(2) Overall Coverage	
Sample Size Examined	150 mm ²		150 mm ²		150 mm ²	
Mycologix™ Fungal Biomass Level#	1: Normal Background		1: Normal Background		1: Normal Background	
Mold/Yeast Growth Observed	No		No		No	
Sample Mold/Yeast Coverage**	Trace: < 3%		Trace: < 3%		Trace: < 3%	
Sample Debris Coverage**	Trace: < 3%		Trace: < 3%		Trace: < 3%	
Note						

Mycologix™ Fungal Biomass Level: 1: Normal Background, 2A: Settled Biomass, 2B: Residual Biomass
3A: Slight Growth, 3B: Moderate Growth, 3C: Heavy Growth

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Lab Sample No.	ME180904-14(10)		ME180904-14(11)		ME180904-14(12)	
Sample ID	010T		011T		012T	
Sample Location	9		7		5	
Sample Type (Device)	Surface (Gel-Tape)		Surface (Gel-Tape)		Surface (Gel-Tape)	
Date Analyzed	9/6/2018		9/6/2018		9/6/2018	
Identification	(1) Peak Density (within 1 mm dia.)*		(1) Peak Density (within 1 mm dia.)*		(1) Peak Density (within 1 mm dia.)*	
	Spores	Hyphae/Structure	Spores	Hyphae/Structure	Spores	Hyphae/Structure
Major Hydrophilic Fungi:***						
Stachybotrys						
Chaetomium						
Ulocladium						
Acremonium						
Trichoderma						
Aureobasidium						
Yeasts (cells)						
Other Fungi:						
Aspergillus/Penicillium-like			+			
Aspergillus						
Penicillium						
Cladosporium						
Alternaria						
Curvularia						
Epicoccum						
Myxomycetes/smuts/Periconia						
Nigrospora						
Pithomyces						
Unidentifiable w/o culturing			+		+	
Summary	(2) Overall Coverage		(2) Overall Coverage		(2) Overall Coverage	
Sample Size Examined	150 mm ²		150 mm ²		150 mm ²	
Mycologix™ Fungal Biomass Level#	1: Normal Background		1: Normal Background		1: Normal Background	
Mold/Yeast Growth Observed	No		No		No	
Sample Mold/Yeast Coverage**	None		Trace: < 3%		Trace: < 3%	
Sample Debris Coverage**	Trace: < 3%		Trace: < 3%		Trace: < 3%	
Note						

Mycologix™ Fungal Biomass Level: 1: Normal Background, 2A: Settled Biomass, 2B: Residual Biomass
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Lab Sample No.	ME180904-14(13)			
Sample ID	013T			
Sample Location	5C			
Sample Type (Device)	Surface (Gel-Tape)			
Date Analyzed	9/6/2018			
Identification	(1) Peak Density (within 1 mm dia.)*			
	Spores	Hyphae/Structure		
Major Hydrophilic Fungi:***				
Stachybotrys				
Chaetomium				
Ulocladium				
Acremonium				
Trichoderma				
Aureobasidium				
Yeasts (cells)				
Other Fungi:				
Aspergillus/Penicillium-like				
Aspergillus				
Penicillium				
Cladosporium				
Alternaria				
Curvularia				
Epicoccum				
Myxomycetes/smuts/Periconia				
Nigrospora				
Pithomyces				
Unidentifiable w/o culturing				
Summary	(2) Overall Coverage			
Sample Size Examined	150 mm ²			
Mycologix™ Fungal Biomass Level#	1: Normal Background			
Mold/Yeast Growth Observed	No			
Sample Mold/Yeast Coverage**	None			
Sample Debris Coverage**	Trace: < 3%			
Note				

Mycologix™ Fungal Biomass Level: 1: Normal Background, 2A: Settled Biomass, 2B: Residual Biomass
3A: Slight Growth, 3B: Moderate Growth, 3C: Heavy Growth

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