



QLab, 256 Bridge St, Metuchen, NJ 08840
 info@qlabusa.com www.QLABusa.com

AIHA EMPAT Lab ID: 178794

Mycologix Surface Condition 1/2/3 Classification

Analysis: AccuScience Premium Direct Exam (FD-02HP)
Client: RK Environmental
 Phillipsburg, NJ
Contact: McGuinness, Michael
Project ID: Stony Brook

QLab Job No.: ME230823-15
Date Sampled: 8/22/2023
Date Received: 8/23/2023
Date Reported: 8/23/2023

Reviewed by: WT

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

Lab Sample No.	ME230823-15(17)		ME230823-15(18)		ME230823-15(19)	
Sample ID	RK-SB-01T		RK-SB-02T		RK-SB-03T	
Sample Location	1- Main Office Suite		2- 308, 313, 314/316, 315/317		3 - 319, 318, 320, 321, 323	
Sample Type (Device)	Surface (Gel.TAPE)		Surface (Gel.TAPE)		Surface (Gel.TAPE)	
Date Analyzed	8/23/2023		8/23/2023		8/23/2023	
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	
IICRC S520 Condition With Grading#	1: Normal Background		3B: Moderate Growth		1: Normal Background	
Mold/Yeast Growth Observed	No		Yes		No	
Sample Mold/Yeast Coverage**	Trace: < 3%		Medium: 10 - 50%		Trace: < 3%	
Sample Debris Coverage**	M : 10 - 50%		H : > 50%		H : > 50%	
Note						

IICRC S520 Condition With Grading: 1: Normal Background, 2-A: Settled Biomass, 2-B: Residual Biomass
 3-A: Slight Growth, 3-B: Moderate Growth, 3-C: 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.

H, M, L, T (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.	ME230823-15(20)		ME230823-15(21)		ME230823-15(22)	
Sample ID	RK-SB-04T		RK-SB-05T		RK-SB-06T	
Sample Location	4- 322, 324, 325, 326, 328		5- Gym Office		6- Gym, Music, 331	
Sample Type (Device)	Surface (Gel.TAPE)		Surface (Gel.TAPE)		Surface (Gel.TAPE)	
Date Analyzed	8/23/2023		8/23/2023		8/23/2023	
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	
IICRC S520 Condition With Grading#	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**	H : > 50%		H : > 50%		H : > 50%	
Note						

IICRC S520 Condition With Grading: 1: Normal Background, 2-A: Settled Biomass, 2-B: Residual Biomass
 3-A: Slight Growth, 3-B: Moderate Growth, 3-C: 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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** Sample Coverage of Fungi/Debris: Overall coverage of fungal biomass/debris collected on the tape samples
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Lab Sample No.	ME230823-15(23)		ME230823-15(24)		ME230823-15(25)	
Sample ID	RK-SB-07T		RK-SB-08T		RK-SB-09T	
Sample Location	7- Cafe, 122, 123		8- Media, 124, 117		9- Nurse/102, 101 Suite, 301 Stor.	
Sample Type (Device)	Surface (Gel.TAPE)		Surface (Gel.TAPE)		Surface (Gel.TAPE)	
Date Analyzed	8/23/2023		8/23/2023		8/23/2023	
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	
IICRC S520 Condition With Grading#	3B: Moderate Growth		1: Normal Background		1: Normal Background	
Mold/Yeast Growth Observed	Yes		No		No	
Sample Mold/Yeast Coverage**	Medium: 10 - 50%		Trace: < 3%		Trace: < 3%	
Sample Debris Coverage**	M : 10 - 50%		H : > 50%		H : > 50%	
Note						

IICRC S520 Condition With Grading: 1: Normal Background, 2-A: Settled Biomass, 2-B: Residual Biomass
 3-A: Slight Growth, 3-B: Moderate Growth, 3-C: Heavy Growth

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Lab Sample No.	ME230823-15(26)		ME230823-15(27)		ME230823-15(28)	
Sample ID	RK-SB-10T		RK-SB-11T		RK-SB-12T	
Sample Location	10- 103, 104, 105, 115, 117		11- 106, 107, 108, 110		12- 201, 210, 202, 209	
Sample Type (Device)	Surface (Gel.TAPE)		Surface (Gel.TAPE)		Surface (Gel.TAPE)	
Date Analyzed	8/23/2023		8/23/2023		8/23/2023	
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:***						
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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	
IICRC S520 Condition With Grading#	1: Normal Background		1: Normal Background		3B: Moderate Growth	
Mold/Yeast Growth Observed	No		No		Yes	
Sample Mold/Yeast Coverage**	Trace: < 3%		Trace: < 3%		Medium: 10 - 50%	
Sample Debris Coverage**	H : > 50%		H : > 50%		H : > 50%	
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Lab Sample No.	ME230823-15(29)		ME230823-15(30)		
Sample ID	RK-SB-13T		RK-SB-14T		
Sample Location	13- 202A, 214A, 203, 204, 208		14- 207, 206, 205, 212, 211		
Sample Type (Device)	Surface (Gel.TAPE)		Surface (Gel.TAPE)		
Date Analyzed	8/23/2023		8/23/2023		
Identification	(1) Peak Density (within 1 mm dia.)*		(1) Peak Density (within 1 mm dia.)*		
	Spores	Hyphae/Structure	Spores	Hyphae/Structure	
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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		
Sample Size Examined	150 mm ²		150 mm ²		
IICRC S520 Condition With Grading#	1: Normal Background		1: Normal Background		
Mold/Yeast Growth Observed	No		No		
Sample Mold/Yeast Coverage**	Trace: < 3%		Trace: < 3%		
Sample Debris Coverage**	H : > 50%		H : > 50%		
Note					

IICRC S520 Condition With Grading: 1: Normal Background, 2-A: Settled Biomass, 2-B: Residual Biomass
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