



AccuScience™
Analysis Report

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

Analysis: AccuScience Premium Level 3 Fungal Spore Count™
Client: RK Environmental
Phillipsburg, NJ
Contact: McGuinness, Michael
Project ID: Barley Sheaf School
Date Sampled: 8/24/2018

QLab Job No.: ME180824-14
Date Received: 8/24/2018
Date Analyzed: 8/26/2018
Date Reported: 8/27/2018

Reviewed by: WT

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

Lab Sample No.	ME180824-14(5)			ME180824-14(6)			ME180824-14(7)		
Sample ID	2421636			2421638			2421635		
Sample Location	OAR			03-49			37-47		
Sample Type (Device)	Air (Allergenco-D)			Air (Allergenco-D)			Air (Allergenco-D)		
Air Volume	75 L			75 L			75 L		
Total Concentration (counts/m³)**	9,500 cts/m³			4,300 cts/m³			4,100 cts/m³		
Mycologix Profile Group 1, 2 & 3	cts/smp*	counts/m³	%	cts/smp*	counts/m³	%	cts/smp*	counts/m³	%
1. Common Dominant Spores	DL = 53; LQL = 1100 cts/m³			DL = 53; LQL = 1100 cts/m³			DL = 53; LQL = 1100 cts/m³		
Ascospores, non-specified (O)	68	910	10	4	53	1	4	53	1
Basidiospores (O,I)	624	8,300	88	261	3,500	82	178	2,400	59
Cladosporium, Group HM (O)									
Aspergillus/Penicillium-like, DOT (O) #Cluster-Chain-Loose Spore Profile™									
Cladosporium, Group C (O,I)									
Cladosporium, Group S (I)									
Aspergillus/Penicillium-like (I,O) ## Cluster-Chain-Loose Spore Profile™	15	200	2	49	650	15	119	1,600	39
Cluster(s)	0% - 76% - 24%			39% - 39% - 22%			18% - 35% - 47%		
				1 cluster(s) of 19 spores			1 cluster(s) of 21 spores		
2. Indoor Hydrophilic Fungi#	DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³		
Stachybotrys (I)									
Chaetomium (I)									
Ulocladium (I)									
Memnoniella (I)									
Trichoderma (I)									
Scopulariopsis (I)									
3. Others	DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³		
Hyphal fragment (O,I)	1	13	<1	1	13	<1			
Alternaria (O,I)									
Cercospora (O)									
Curvularia (O,I)									
Drechslera/Bipolaris-like (O)									
Epicoccum (O)									
Fusarium (O,I)									
Myxomycetes/Smuts/Periconia (O,I)	2	27	<1	2	27	<1			
Nigrospora (O)									
Pithomyces (O)				1	13	<1			
Rusts (O)									
Unknown (O,I)									
Skin Cells Rating	Medium			Medium			Low		
Debris Rating	2 (6 - 25%)			2 (6 - 25%)			2 (6 - 25%)		
Note									

*: cts/smp: counts per sample. **: All concentrations are rounded to two digits of significant figures. Total concentrations/percentages may not be equal to the sum of individual concentrations/percentages due to rounding. #: Water-loving indoor fungi (min Aw ≥0.89). Absence of hydrophilic fungi does not exclude the possibility of a water damage history. DL: detection limit (analytical sensitivity). LQL: Lower quantitation limit = 20 x DL. Upper quantitation limit depends on sample conditions. ## Asp/Pen-like spores: Loose: 1 to 2 spores; Chain: 3 to 9 spores; Cluster: 10 spores or more. O: Mostly outdoor origin with rare exceptions; I: Mostly indoor origin with rare exceptions. Distinct Outdoor Type (DOT): Distinct outdoor Asp/Pen spores that can be easily differentiated from indoor Asp/Pen spores. DOT is specific to the batch of samples collected at the same time and cannot be used for other batches.



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Lab Sample No.	ME180824-14(8)			ME180824-14(9)			
Sample ID	2421661			2421653			
Sample Location	10A-51			17-35			
Sample Type (Device)	Air (Allergenco-D)			Air (Allergenco-D)			
Air Volume	75 L			75 L			
Total Concentration (counts/m³)**	5,500 cts/m³			4,200 cts/m³			
Mycologix Profile Group 1, 2 & 3	cts/smp*	counts/m³	%	cts/smp*	counts/m³	%	
1. Common Dominant Spores	DL = 53; LQL = 1100 cts/m³			DL = 53; LQL = 1100 cts/m³			
Ascospores, non-specified (O)	8	110	2	11	150	4	
Basidiospores (O,I)	374	5,000	91	276	3,700	89	
Cladosporium, Group HM (O)							
Aspergillus/Penicillium-like, DOT (O) <i>#Cluster-Chain-Loose Spore Profile™</i>							
Cladosporium, Group C (O,I)	11	150	3	8	110	3	
Cladosporium, Group S (I)							
Aspergillus/Penicillium-like (I,O) <i>## Cluster-Chain-Loose Spore Profile™</i>	11	150	3	11	150	4	
<i>Cluster(s)</i>	0% - 100% - 0%			0% - 100% - 0%			
2. Indoor Hydrophilic Fungi#	DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³			
Stachybotrys (I)							
Chaetomium (I)							
Ulocladium (I)							
Memnoniella (I)							
Trichoderma (I)							
Scopulariopsis (I)							
3. Others	DL = 13; LQL = 270 cts/m³			DL = 13; LQL = 270 cts/m³			
Hyphal fragment (O,I)	1	13	<1				
Alternaria (O,I)							
Cercospora (O)							
Curvularia (O,I)							
Drechslera/Bipolaris-like (O)							
Epicoccum (O)				1	13	<1	
Fusarium (O,I)							
Myxomycetes/Smuts/Periconia (O,I)				1	13	<1	
Nigrospora (O)							
Pithomyces (O)	2	27	<1	2	27	<1	
Rusts (O)							
Unknown (O,I)	4	53	<1				
Skin Cells Rating	Medium			Medium			
Debris Rating	3 (26 - 75%)			2 (6 - 25%)			
Note							

*: cts/smp: counts per sample. **: All concentrations are rounded to two digits of significant figures. Total concentrations/percentages may not be equal to the sum of individual concentrations/percentages due to rounding. #: Water-loving indoor fungi (min Aw ≥0.89). Absence of hydrophilic fungi does not exclude the possibility of a water damage history. DL: detection limit (analytical sensitivity). LQL: Lower quantitation limit = 20 x DL. Upper quantitation limit depends on sample conditions. ## Asp/Pen-like spores: Loose: 1 to 2 spores; Chain: 3 to 9 spores; Cluster: 10 spores or more. O: Mostly outdoor origin with rare exceptions; I: Mostly indoor origin with rare exceptions. Distinct Outdoor Type (DOT): Distinct outdoor Asp/Pen spores that can be easily differentiated from indoor Asp/Pen spores. DOT is specific to the batch of samples collected at the same time and cannot be used for other batches.