



AccuScience™
Analysis Report

QLab, 256 Bridge St, Metuchen, NJ 08840
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AIHA EMPAT Lab ID: 178794

Analysis: AccuScience Premium Level 3 Fungal Spore Count™
Client: RK Environmental
Phillipsburg, NJ
Contact: McGuinness, Michael
Project ID: JP Case MS
Date Sampled: 10/8/2018

QLab Job No.: ME181009-12
Date Received: 10/9/2018
Date Analyzed: 10/9/2018
Date Reported: 10/9/2018

Reviewed by: WT

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

Lab Sample No.	ME181009-12(1)			ME181009-12(2)			ME181009-12(3)		
Sample ID	2751677			2751682			2751672		
Sample Location	B124			OAR - 1			Keyboard		
Sample Type (Device)	Air (Allergenco-D)			Air (Allergenco-D)			Air (Allergenco-D)		
Air Volume	75 L			75 L			75 L		
Total Concentration (counts/m³)**	680 cts/m³			20,000 cts/m³			720 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 = 110; LQL = 2100 cts/m³			DL = 53; LQL = 1100 cts/m³		
Ascospores, non-specified (O)	11	150	22	91	1,200	6			
Basidiospores (O,I)	15	200	29	1,427	19,000	93	30	400	56
Cladosporium, Group HM (O)									
Aspergillus/Penicillium-like, DOT (O) #Cluster-Chain-Loose Spore Profile™									
Cladosporium, Group C (O,I)	6	80	12	15	200	<1			
Cladosporium, Group S (I)									
Aspergillus/Penicillium-like (I,O) ## Cluster-Chain-Loose Spore Profile™ Cluster(s)									
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)							2	27	4
Alternaria (O,I)									
Cercospora (O)				1	13	<1			
Curvularia (O,I)									
Drechslera/Bipolaris-like (O)									
Epicoccum (O)									
Fusarium (O,I)									
Myxomycetes/Smuts/Periconia (O,I)	19	250	37				22	290	40
Nigrospora (O)									
Pithomyces (O)				1	13	<1			
Rusts (O)									
Unknown (O,I)									
Skin Cells Rating	Trace			Trace			Trace		
Debris Rating	1 (≤ 5%)			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.	ME181009-12(4)			ME181009-12(5)			
Sample ID	2751687			2751692			
Sample Location	B129			OAR 2			
Sample Type (Device)	Air (Allergenco-D)			Air (Allergenco-D)			
Air Volume	75 L			75 L			
Total Concentration (counts/m³)**	350 cts/m³			19,000 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 = 67; LQL = 1300 cts/m³			
Ascospores, non-specified (O)				20	270	1	
Basidiospores (O,I)	15	200	57	1,363	18,000	97	
Cladosporium, Group HM (O)							
Aspergillus/Penicillium-like, DOT (O) #Cluster-Chain-Loose Spore Profile™							
Cladosporium, Group C (O,I)				18	240	1	
Cladosporium, Group S (I)							
Aspergillus/Penicillium-like (I,O) ## Cluster-Chain-Loose Spore Profile™ Cluster(s)							
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)							
Alternaria (O,I)				1	13	<1	
Cercospora (O)							
Curvularia (O,I)							
Drechslera/Bipolaris-like (O)							
Epicoccum (O)				1	13	<1	
Fusarium (O,I)							
Myxomycetes/Smuts/Periconia (O,I)	11	150	43	5	67	<1	
Nigrospora (O)							
Pithomyces (O)				2	27	<1	
Rusts (O)							
Unknown (O,I)				1	13	<1	
Skin Cells Rating	Trace			None			
Debris Rating	1 (≤ 5%)			1 (≤ 5%)			
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.