



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: Robert Hunter ES
Date Sampled: 9/19/2018

QLab Job No.: ME180919-18
Date Received: 9/19/2018
Date Analyzed: 9/19/2018
Date Reported: 9/19/2018

Reviewed by: WT

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

Lab Sample No.	ME180919-18(1)			ME180919-18(2)			ME180919-18(3)		
Sample ID	2804184			2804185			2804196		
Sample Location	125			OAR 2 (Comp. Lab)			OAR 3 (West)		
Sample Type (Device)	Air (Allergenco-D)			Air (Allergenco-D)			Air (Allergenco-D)		
Air Volume	75 L			75 L			75 L		
Total Concentration (counts/m³)**	1,100 cts/m³			110,000 cts/m³			130,000 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 = 400; LQL = 8000 cts/m³			DL = 400; LQL = 8000 cts/m³		
Ascospores, non-specified (O)				846	11,000	10	876	12,000	9
Basidiospores (O,I)	79	1,100	100	7,459	99,000	90	9,181	120,000	91
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™ 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	<1	4	53	<1
Alternaria (O,I)				3	40	<1	4	53	<1
Cercospora (O)				8	110	<1	5	67	<1
Curvularia (O,I)				2	27	<1	1	13	<1
Drechslera/Bipolaris-like (O)									
Epicoccum (O)				3	40	<1	2	27	<1
Fusarium (O,I)									
Myxomycetes/Smuts/Periconia (O,I)				6	80	<1	8	110	<1
Nigrospora (O)				2	27	<1	1	13	<1
Pithomyces (O)				7	93	<1	8	110	<1
Rusts (O)									
Unknown (O,I)				3	40	<1	2	27	<1
Skin Cells Rating	Medium			Trace			Trace		
Debris Rating	3 (26 - 75%)			3 (26 - 75%)			3 (26 - 75%)		
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.	ME180919-18(4)			ME180919-18(5)			ME180919-18(6)		
Sample ID	2804189			2804203			2804190		
Sample Location	111			101			OAR 1 (Entrance)		
Sample Type (Device)	Air (Allergenco-D)			Air (Allergenco-D)			Air (Allergenco-D)		
Air Volume	75 L			75 L			75 L		
Total Concentration (counts/m³)**	610 cts/m³			6,300 cts/m³			150,000 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 = 400; LQL = 8000 cts/m³		
Ascospores, non-specified (O)				11	150	2	1,419	19,000	13
Basidiospores (O,I)	45	600	98	461	6,100	97	9,906	130,000	87
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™ Cluster(s)									
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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	2	27	<1
Alternaria (O,I)							7	93	<1
Cercospora (O)							6	80	<1
Curvularia (O,I)									
Drechslera/Bipolaris-like (O)									
Epicoccum (O)							4	53	<1
Fusarium (O,I)									
Myxomycetes/Smuts/Periconia (O,I)	1	13	2				7	93	<1
Nigrospora (O)							2	27	<1
Pithomyces (O)				1	13	<1	3	40	<1
Rusts (O)									
Unknown (O,I)							2	27	<1
Skin Cells Rating	Medium			Low			Trace		
Debris Rating	3 (26 - 75%)			1 (≤ 5%)			3 (26 - 75%)		
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.