



AccuScience™
Analysis Report

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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: Copper Hill
Date Sampled: 9/10/2018

QLab Job No.: ME180910-06
Date Received: 9/10/2018
Date Analyzed: 9/11/2018
Date Reported: 9/11/2018

Reviewed by: WT

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

Lab Sample No.	ME180910-06(1)			ME180910-06(2)			
Sample ID	2802814			2802805			
Sample Location	OAR 1			Room 23			
Sample Type (Device)	Air (Allergenco-D)			Air (Allergenco-D)			
Air Volume	75 L			75 L			
Total Concentration (counts/m³)**	9,300 cts/m³			160 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)	23	310	3				
Basidiospores (O,I)	669	8,900	96	8	110	67	
Cladosporium, Group HM (O)							
Aspergillus/Penicillium-like, DOT (O) <i>#Cluster-Chain-Loose Spore Profile™</i>							
Cladosporium, Group C (O,I)							
Cladosporium, Group S (I)							
Aspergillus/Penicillium-like (I,O) <i>## Cluster-Chain-Loose Spore Profile™</i>				4	53	33	
<i>Cluster(s)</i>						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)							
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)	3	40	<1				
Rusts (O)							
Unknown (O,I)							
Skin Cells Rating	None			Trace			
Debris Rating	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.