



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: Copper Hill / Flemington
Date Sampled: 8/31/2018

QLab Job No.: ME180831-14
Date Received: 8/31/2018
Date Analyzed: 9/1/2018
Date Reported: 9/1/2018

Reviewed by: WT

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

Lab Sample No.	ME180831-14(1)			ME180831-14(2)			ME180831-14(3)		
Sample ID	2423409			2423410			2423415		
Sample Location	C-28			C-23			C-56		
Sample Type (Device)	Air (Allergenco-D)			Air (Allergenco-D)			Air (Allergenco-D)		
Air Volume	75 L			75 L			75 L		
Total Concentration (counts/m³)**	110 cts/m³			6,700 cts/m³			4,400 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)							30	400	9
Basidiospores (O,I)	4	53	50	11	150	2	242	3,200	72
Cladosporium, Group HM (O)									
Aspergillus/Penicillium-like, DOT (O) <i>#Cluster-Chain-Loose Spore Profile™</i>									
Cladosporium, Group C (O,I)							38	510	11
Cladosporium, Group S (I)									
Aspergillus/Penicillium-like (I,O) <i>## Cluster-Chain-Loose Spore Profile™</i>	4	53	50	491	6,500	98	22	290	7
<i>Cluster(s)</i>	0% - 0% - 100%			0% - 2% - 98%			50% - 50% - 0%		
							1 cluster(s) of 11 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)									
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
Nigrospora (O)									
Pithomyces (O)							1	13	<1
Rusts (O)									
Unknown (O,I)									
Skin Cells Rating	Medium			Low			Low		
Debris Rating	3 (26 - 75%)			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.



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: Copper Hill / Flemington
Date Sampled: 8/31/2018

QLab Job No.: ME180831-14
Date Received: 8/31/2018
Date Analyzed: 9/1/2018
Date Reported: 9/1/2018

Lab Sample No.	ME180831-14(4)			ME180831-14(5)			ME180831-14(6)		
Sample ID	2423413			2423430			2423408		
Sample Location	C-5			OAR-2			OAR-1		
Sample Type (Device)	Air (Allergenco-D)			Air (Allergenco-D)			Air (Allergenco-D)		
Air Volume	75 L			75 L			75 L		
Total Concentration (counts/m³)**	13,000 cts/m³			120,000 cts/m³			31,000 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 = 200; LQL = 4000 cts/m³			DL = 110; LQL = 2100 cts/m³		
Ascospores, non-specified (O)	23	310	2	121	1,600	1	408	5,400	18
Basidiospores (O,I)	737	9,800	76	4,213	56,000	46	1,540	21,000	68
Cladosporium, Group HM (O)									
Aspergillus/Penicillium-like, DOT (O) <i>#Cluster-Chain-Loose Spore Profile™</i>									
Cladosporium, Group C (O,I)	147	2,000	16	3,201	43,000	36	159	2,100	7
Cladosporium, Group S (I)									
Aspergillus/Penicillium-like (I,O) <i>## Cluster-Chain-Loose Spore Profile™</i>	48	640	5	181	2,400	2	60	800	3
<i>Cluster(s)</i>	21% - 0% - 79% 1 cluster(s) of 10 spores			0% - 83% - 17%			0% - 0% - 100%		
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)									
Alternaria (O,I)				7	93	<1			
Cercospora (O)	1	13	<1	2	27	<1	3	40	<1
Curvularia (O,I)				1	13	<1			
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	1,193	16,000	13	101	1,300	4
Rusts (O)									
Unknown (O,I)	1	13	<1	106	1,400	1	2	27	<1
Skin Cells Rating	Medium			Medium			Trace		
Debris Rating	2 (6 - 25%)			2 (6 - 25%)			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.



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: Copper Hill / Flemington
Date Sampled: 8/31/2018

QLab Job No.: ME180831-14
Date Received: 8/31/2018
Date Analyzed: 9/1/2018
Date Reported: 9/1/2018

Lab Sample No.	ME180831-14(7)			ME180831-14(8)			ME180831-14(9)		
Sample ID	2423425			2423414			2423420		
Sample Location	37			C-29			44		
Sample Type (Device)	Air (Allergenco-D)			Air (Allergenco-D)			Air (Allergenco-D)		
Air Volume	75 L			75 L			75 L		
Total Concentration (counts/m³)**	53 cts/m³			10,000 cts/m³			110 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)				15	200	2			
Basidiospores (O,I)				609	8,100	78	4	53	50
Cladosporium, Group HM (O)									
Aspergillus/Penicillium-like, DOT (O) <i>#Cluster-Chain-Loose Spore Profile™</i>									
Cladosporium, Group C (O,I)				147	2,000	19			
Cladosporium, Group S (I)									
Aspergillus/Penicillium-like (I,O) <i>## Cluster-Chain-Loose Spore Profile™</i>	4	53	100	8	110	1	4	53	50
<i>Cluster(s)</i>	0% - 0% - 100%			0% - 0% - 100%			0% - 0% - 100%		
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)									
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			
Nigrospora (O)									
Pithomyces (O)									
Rusts (O)									
Unknown (O,I)									
Skin Cells Rating	Medium			Low			High		
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.



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: Copper Hill / Flemington
Date Sampled: 8/31/2018

QLab Job No.: ME180831-14
Date Received: 8/31/2018
Date Analyzed: 9/1/2018
Date Reported: 9/1/2018

Lab Sample No.	ME180831-14(10)				
Sample ID	2423407				
Sample Location	34				
Sample Type (Device)	Air (Allergenco-D)				
Air Volume	75 L				
Total Concentration (counts/m³)**	960 cts/m³				
Mycologix Profile Group 1, 2 & 3	cts/smp*	counts/m³	%		
1. Common Dominant Spores	DL = 53; LQL = 1100 cts/m³				
Ascospores, non-specified (O)					
Basidiospores (O,I)	64	850	89		
Cladosporium, Group HM (O)					
Aspergillus/Penicillium-like, DOT (O) <i>#Cluster-Chain-Loose Spore Profile™</i>					
Cladosporium, Group C (O,I)	8	110	11		
Cladosporium, Group S (I)					
Aspergillus/Penicillium-like (I,O) <i>## Cluster-Chain-Loose Spore Profile™</i> <i>Cluster(s)</i>					
2. Indoor Hydrophilic Fungi#	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				
Hyphal fragment (O,I)					
Alternaria (O,I)					
Cercospora (O)					
Curvularia (O,I)					
Drechslera/Bipolaris-like (O)					
Epicoccum (O)					
Fusarium (O,I)					
Myxomycetes/Smuts/Periconia (O,I)					
Nigrospora (O)					
Pithomyces (O)					
Rusts (O)					
Unknown (O,I)					
Skin Cells Rating	Medium				
Debris Rating	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.