

Prestige EnviroMicrobiology, Inc

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Analytical Test Report

Client: Proac Corporation, 8401 South Lancaster Ave, Bethel, PA 19507

Client Project: SESD East Middle School

Sample date: 9-26-2012

Submittal date: 9-27-2012

Samples submitted by: Walt Saunders

Data analysis completed: October 3, 2012

Prestige report number: 120928-01

Microscopic Method (P001): Analysis of Allergenco Samples for Total Fungal Structures by Optical Microscopy

Prestige # Client sample ID Location	Air vol. (m ³)	% read	Presumptive fungal ID	Counts of fungal structures	Fungal structures/m ³	Percentage	Background rating
120928-01-001 1 Outside #1	0.075	25.5	<i>Arthrinium</i> ascospores basidiospores <i>Cercospora</i> <i>Cladosporium</i> <i>Curvularia</i> myxomycetes <i>Pithomyces</i> Pen/Asp-like	1 14 15 1 32 1 3 1 1	52 730 780 52 1,700 52 160 52 52	1% 20% 22% 1% 46% 1% 4% 1% 1%	1
120928-01-002 2 Rm 126	0.075	25.5	ascospores basidiospores <i>Cladosporium</i> <i>Epicoccum</i> <i>Ganoderma</i> hyphal fragments myxomycetes <i>Pithomyces</i> Pen/Asp-like	1 2 6 1 1 1 7 1 2	52 100 310 52 52 52 370 52 100	5% 9% 27% 5% 5% 5% 32% 5% 9%	3
120928-01-003 3 Rm 124	0.075	25.5	basidiospores <i>Cladosporium</i> hyphal fragments myxomycetes <i>Pithomyces</i> Pen/Asp-like unknowns	2 1 1 13 1 4 1	100 52 52 680 52 210 52	9% 4% 4% 57% 4% 17% 4%	3
120928-01-004 4 Office Area	0.075	25.5	<i>Alternaria</i> basidiospores <i>Cladosporium</i> <i>Curvularia</i> <i>Epicoccum</i> hyphal fragments myxomycetes <i>Pithomyces</i>	1 1 2 1 1 2 15 1	52 52 100 52 52 100 780 52	4% 4% 8% 4% 4% 8% 63% 4%	3

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120928-01-005 5 Cafeteria	0.075	25.5	basidiospores <i>Cladosporium</i> hyphal fragments myxomycetes	1 1 1 5	52 52 52 260	13% 13% 13% 63%	Total 420	1
120928-01-006 6 Outside #2	0.075	25.5	<i>Alternaria</i> ascospores basidiospores <i>Cercospora</i> <i>Cladosporium</i> <i>Epicoccum</i> <i>Ganoderma</i> hyphal fragments myxomycetes Pen/Asp-like	1 27 31 1 19 1 1 1 1 2 2	52 1,400 1,600 52 990 52 52 52 52 100 100	1% 31% 36% 1% 22% 1% 1% 1% 1% 2% 2%	Total 4,500	1
120928-01-007 7 Weight Rm	0.075	25.5	<i>Alternaria</i> <i>Cladosporium</i> hyphal fragments myxomycetes <i>Pithomyces</i>	1 1 1 7 1	52 52 52 370 52	9% 9% 9% 64% 9%	Total 580	3
120928-01-008 8 Wrestle Room	0.075	25.5	<i>Alternaria</i> ascospores <i>Cladosporium</i> hyphal fragments myxomycetes <i>Pithomyces</i>	1 1 1 1 3 1	52 52 52 52 160 52	13% 13% 13% 13% 38% 13%	Total 420	2
120928-01-009 9 Boys Training Rm	0.075	25.5	<i>Alternaria</i> ascospores basidiospores <i>Curvularia</i> <i>Epicoccum</i> myxomycetes <i>Pithomyces</i>	1 1 1 1 1 18 1	52 52 52 52 52 940 52	4% 4% 4% 4% 4% 75% 4%	Total 1,300	2
120928-01-010 10 Boys Locker Rm	0.075	25.5	basidiospores <i>Cladosporium</i> <i>Ganoderma</i> hyphal fragments myxomycetes <i>Pithomyces</i>	1 3 1 1 7 1	52 160 52 52 370 52	7% 21% 7% 7% 50% 7%	Total 740	2
120928-01-011 11 Library Office	0.075	25.5	<i>Alternaria</i> basidiospores <i>Ganoderma</i> myxomycetes <i>Pithomyces</i>	1 1 1 4 2	52 52 52 210 100	11% 11% 11% 44% 22%	Total 470	2

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120928-01-012 12 Girls Locker Rm	0.075	25.5	<i>Alternaria</i> basidiospores <i>Cladosporium</i> hyphal fragments myxomycetes <i>Pithomyces</i> Pen/Asp-like	1 1 1 2 2 1 1	52 52 52 100 100 52 52	11% 11% 11% 22% 22% 11% 11%	2
120928-01-013 13 Girls Team Rm	0.075	25.5	ascospores basidiospores <i>Cladosporium</i> <i>Ganoderma</i> hyphal fragments myxomycetes <i>Pithomyces</i>	1 2 4 1 1 7 1	52 100 210 52 52 370 52	6% 12% 24% 6% 6% 41% 6%	2
120928-01-014 14 Library	0.075	25.5	ascospores basidiospores <i>Epicoccum</i> <i>Ganoderma</i> myxomycetes <i>Pithomyces</i>	1 1 1 4 2 2	52 52 52 210 100 100	9% 9% 9% 36% 18% 18%	2
120928-01-015 15 Outside #3	0.075	25.5	ascospores basidiospores <i>Cladosporium</i> <i>Epicoccum</i> hyphal fragments myxomycetes <i>Nigrospora</i> <i>Torula herbarum</i>	7 30 12 2 1 1 1 1	370 1,600 630 100 52 52 52 52	13% 55% 22% 4% 2% 2% 2% 2%	1
120928-01-016 16 Rm 135	0.075	25.5	<i>Cladosporium</i> <i>Ganoderma</i> myxomycetes <i>Nigrospora</i>	1 7 2 1	52 370 100 52	9% 64% 18% 9%	1
120928-01-017 17 Rm 137	0.075	25.5	<i>Alternaria</i> <i>Cladosporium</i> <i>Epicoccum</i> hyphal fragments rusts	1 1 1 1 1	52 52 52 52 52	20% 20% 20% 20% 20%	2


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120928-01-018 18 Outside #4	0.075	25.5	<i>Alternaria</i>	1	52	1%	1
			<i>Arthrinium</i>	1	52	1%	
			ascospores	7	370	10%	
			basidiospores	34	1,800	50%	
			<i>Cladosporium</i>	17	890	25%	
			<i>Epicoccum</i>	1	52	1%	
			hyphal fragments	1	52	1%	
			myxomycetes	3	160	4%	
			<i>Pithomyces</i>	1	52	1%	
			Pen/Asp-like	1	52	1%	
			<i>Torula herbarum</i>	1	52	1%	
			Total 3,600				
120928-01-019 19 Rm 224	0.075	25.5	ascospores	1	52	6%	3
			basidiospores	1	52	6%	
			<i>Cladosporium</i>	6	310	35%	
			<i>Epicoccum</i>	2	100	12%	
			<i>Ganoderma</i>	1	52	6%	
			hyphal fragments	1	52	6%	
			myxomycetes	3	160	18%	
			rusts	2	100	12%	
			Total 880				
120928-01-020 20 Rm 222	0.075	25.5	basidiospores	1	52	10%	2
			<i>Curvularia</i>	1	52	10%	
			hyphal fragments	1	52	10%	
			myxomycetes	5	260	50%	
			<i>Pithomyces</i>	1	52	10%	
			rusts	1	52	10%	
Total 520							
120928-01-021 21 Gym 1	0.075	25.5	basidiospores	2	100	50%	1
			<i>Cladosporium</i>	1	52	25%	
			rusts	1	52	25%	
			Total 200				
120928-01-022 22 Gym 2	0.075	25.5	basidiospores	1	52	14%	1
			<i>Cladosporium</i>	1	52	14%	
			myxomycetes	2	100	29%	
			rusts	1	52	14%	
			<i>Polythrincium</i>	1	52	14%	
			<i>Torula herbarum</i>	1	52	14%	
Total 360							
120928-01-023 23 Outside #5	0.075	25.5	<i>Arthrinium</i>	1	52	2%	1
			ascospores	5	260	12%	
			basidiospores	15	780	37%	
			<i>Cercospora</i>	1	52	2%	
			<i>Cladosporium</i>	10	520	24%	
			<i>Epicoccum</i>	1	52	2%	
			hyphal fragments	2	100	5%	
			myxomycetes	3	160	7%	
			<i>Nigrospora</i>	1	52	2%	
			<i>Oidium</i>	1	52	2%	
			<i>Pestalotiopsis</i>	1	52	2%	
Total 2,100							

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Report approved: 
Theresa Lehman, MPH, Lab Director

Quality control check: 
Chin S Yang, Ph.D.

Report review: 

1. The samples in this report were received in good, acceptable conditions. Results relate only to the items tested.
2. Percentage is for each group of fungal structures in total population.
3. Concentrations and percentages are rounded to the nearest two significant digits. Total percentage may not add up to 100% due to rounding.
4. Background rating 1-5 (1 being the lowest and 5 the highest) indicates density of sample deposit. The higher the sample deposit is, the more likely some fungal structures are obscured.
5. The detection limit of this analysis is one fungal structure. The quantitation limits vary from analysis to analysis and by air volume. Contact us to determine your quantitation limits.