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Client: Ambient Group, Inc., New York, NY
Project ID: 211909
Date sampled: April 16, 2002
Date of inoculation: April 18, 2002
Samples submitted By: J. Springston
Date characterization completed: April 25, 2002
P&K Report No.: 020417-047

Locations ?

Bulk Samples

Sample ID	Weight used (g)	Medium used	Dilution factor	Fungal / Bacterial ID	Colony counts	Conc. ** (CFU / g)	Percentage* (%)
				Fungi			
211909-01	0.102	CMA	16400X	Aphanocladium araneorum	3	482,353	4
				Chaetomium globosum	1	160,784	1
				Penicillium	77	12,380,390	95
						Total: 13,023,530	
				Fungi			
B-LEVEL		MEA	16400X	Aphanocladium araneorum	4	643,137	5
				Chaetomium globosum	3	482,353	4
				Penicillium aurantiogriseum	43	6,913,726	52
				Penicillium brevicompactum	17	2,572,549	19
				Penicillium chrysogenum	4	643,137	5
				Penicillium crustosum	1	1,768,628	13
				yeasts	2	321,569	2
						Total: 13,345,100	
				Fungi			
211909-02	0.122	CMA	4100X	Chaetomium globosum	13	436,885	87
				Trichoderma harzianum	2	67,213	13
						Total: 504,098	
				Fungi			
		MEA	4100X	Chaetomium globosum	20	672,131	87
				Trichoderma harzianum	3	100,820	13
						Total: 772,951	
				Fungi			
211909-03	0.122	CMA	16400X	Stachybotrys chartarum	212	28,498,360	100
						Total: 28,498,360	
				Fungi			
		MEA	16400X	Stachybotrys chartarum	241	32,262,290	100
						Total: 32,262,290	
				Fungi			
211909-04	0.151	CMA	16400X	Penicillium	113	12,272,850	77
				yeasts	33	3,584,106	23
						Total: 15,856,950	
				Fungi			
		MEA	16400X	Penicillium aurantiogriseum	23	2,498,013	17
				Penicillium chrysogenum	74	8,037,087	53
				yeasts	42	4,561,590	30
						Total: 15,096,690	

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Bulk Samples

Sample ID	Weight used (g)	Medium used	Dilution factor	Fungal / Bacterial ID	Colony counts	Conc. ** (CFU / g)	Percentage* (%)
				Fungi			
211909-05	0.149	CMA	16400X	Aphanocladium araneorum	1	110,067	< 1
				Ascotricha sp.	94	10,346,310	90
				Chaetomium globosum	2	220,134	2
				Exophiala jeanselmei	5	550,336	5
				Penicillium	2	220,134	2
				Stachybotrys chartarum	1	110,067	< 1
						Total: 11,557,050	
				Fungi			
		MEA	16400X	Ascotricha sp.	116	12,767,790	92
				Chaetomium globosum	5	550,336	4
				Penicillium chrysogenum	1	110,067	< 1
				yeasts	4	440,268	3
						Total: 13,868,460	
				Fungi			
211909-06	0.13	CMA	4100X	Acremonium strictum	732	7,316,924	100
				Trichoderma harzianum	1	31,538	< 1
						Total: 7,348,462	
				Fungi			
		MEA	4100X	Acremonium strictum	354	11,164,620	100
				Trichoderma harzianum	1	31,538	< 1
						Total: 11,196,150	
				Fungi			
211909-07	0.109	CMA	4100X	Penicillium	67	2,144,037	70
				Stachybotrys chartarum	24	902,752	30
						Total: 3,046,789	
				Fungi			
		MEA	4100X	Penicillium aurantiogriseum	6	225,688	8
				Penicillium chrysogenum	56	2,106,422	71
				Stachybotrys chartarum	17	639,450	22
						Total: 2,971,560	
				Fungi			
211909-08	0.131	CMA	16400X	Penicillium	812	26,540,460	100
						Total: 26,540,460	
				Fungi			
		MEA	16400X	Penicillium aurantiogriseum	86	10,766,410	67
				Penicillium chrysogenum	32	4,006,107	25
				Penicillium crustosum	11	1,377,099	9
						Total: 16,149,620	

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Bulk Samples

Sample ID	Weight used (g)	Medium used	Dilution factor	Fungal / Bacterial ID	Colony counts	Conc. ** (CFU / g)	Percentage* (%)
				Fungi			
211909-09	0.147	CMA	4100X	Penicillium	13	362,585	65
				sterile fungi	1	27,891	5
				Trichoderma harzianum	2	55,782	10
				yeasts	4	111,565	20
						Total: 557,823	
				Fungi			
		MEA	4100X	Penicillium aurantiogriseum	2	55,782	9
				Penicillium chrysogenum	3	83,673	14
				Penicillium crustosum	3	83,673	14
				Trichoderma harzianum	2	55,782	9
				yeasts	12	334,694	55
						Total: 613,605	
				Fungi			
211909-10	0.102	CMA	4100X	Penicillium	1	40,196	33
				Sporobolomyces salmonicolor	1	40,196	33
				Trichoderma harzianum	1	40,196	33
						Total: 120,588	
				Fungi			
		MEA	4100X	Penicillium aurantiogriseum	1	40,196	25
				Trichoderma harzianum	2	80,392	50
				yeasts	1	40,196	25
						Total: 160,784	
				Fungi			
211909-11	0.136	CMA	4100X	Acremonium strictum	29	874,265	51
				yeasts	28	844,118	49
						Total: 1,718,382	
				Fungi			
		MEA	4100X	Acremonium strictum	32	964,706	55
				yeasts	26	783,824	45
						Total: 1,748,529	
				Fungi			
211909-12	0.129	CMA	16400X	Stachybotrys chartarum	235	28,604,650	100
						Total: 28,604,650	
				Fungi			
		MEA	16400X	Stachybotrys chartarum	248	30,257,370	100
						Total: 30,257,370	
				Fungi			
211909-13	0.104	CMA	4100X	Alternaria alternata	8	315,385	29
				Penicillium	18	709,615	64
				Sporobolomyces salmonicolor	2	78,846	7
						Total: 1,103,846	
				Fungi			
		MEA	4100X	Alternaria alternata	3	118,269	13
				Curvularia geniculata	5	197,115	22
				Penicillium aurantiogriseum	11	433,654	48
				Sporobolomyces salmonicolor	2	78,846	9
				yeasts	2	78,846	9
						Total: 906,731	

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Sample ID	Weight used (g)	Medium used	Dilution factor	Fungal / Bacterial ID	Colony counts	Conc. ** (CFU / g)	Percentage* (%)
				Fungi			
211909-14	0.189	CMA	16400X	Penicillium	10	867,725	2
				Rhodotorula glutinis	117	10,152,380	29
				yeasts	282	24,469,840	69
						Total: 35,489,950	
				Fungi			
		MEA	16400X	Penicillium aurantiogriseum	1	86,772	< 1
				Penicillium brevicompactum	3	260,317	< 1
				Penicillium chrysogenum	1	86,772	< 1
				Penicillium crustosum	4	347,090	< 1
				Penicillium glabrum	5	433,862	1
				Rhodotorula glutinis	106	9,197,884	26
				yeasts	286	24,816,930	70
						Total: 35,229,630	
				Fungi			
211909-15	0.149	CMA	16400X	Acremonium	7	770,470	7
				Chromelosporium sp.	1	110,067	< 1
				Rhodotorula glutinis	49	5,393,289	47
				yeasts	48	5,283,222	46
						Total: 11,557,050	
				Fungi			
		MEA	16400X	Acremonium	10	1,100,671	9
				Chrysosporium sp.		110,067	< 1
				Rhodotorula glutinis	52	5,723,490	49
				yeasts	43	4,732,886	41
						Total: 11,667,110	
				Fungi			
211909-16	0.106	CMA	4100X	Chaetomium globosum	7	270,755	70
				Penicillium	3	116,038	30
						Total: 386,792	
				Fungi			
		MEA	4100X	Chaetomium globosum	13	696,226	95
				Penicillium aurantiogriseum	1	38,679	5
						Total: 734,906	
				Fungi			
211909-17	0.109	CMA	16400X	Penicillium	304	54,766,970	100
						Total: 54,766,970	
				Fungi			
		MEA	16400X	Penicillium aurantiogriseum	64	9,629,358	20
				Penicillium chrysogenum	252	37,915,600	80
						Total: 47,544,960	
				Fungi			
211909-18	0.143	CMA	4100X	Penicillium	128	3,669,930	100
						Total: 3,669,930	
				Fungi			
		MEA	4100X	Penicillium aurantiogriseum	37	1,060,839	30
				Penicillium chrysogenum	85	2,437,063	68
				sterile fungi	2	57,343	2
				yeasts	1	28,671	< 1
						Total: 3,583,916	

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Sample ID	Weight used (g)	Medium used	Dilution factor	Fungal / Bacterial ID	Colony counts	Conc. ** (CFU / g)	Percentage* (%)
				Fungi			
211909-19	0.115	CMA	16400X	Acremonium strictum	2	285,217	< 1
				Penicillium	2	285,217	< 1
				Stachybotrys chartarum	214	30,518,260	98
						Total: 31,088,700	
				Fungi			
		MEA	16400X	Acremonium strictum	1	142,609	< 1
				Penicillium aurantiogriseum	2	285,217	< 1
				Penicillium chrysogenum	1	142,609	< 1
				Stachybotrys chartarum	210	29,947,830	98
						Total: 30,518,260	
				Fungi			
211909-20	0.132	CMA	16400X	Penicillium	234	36,527,270	100
						Total: 36,527,270	
				Fungi			
		MEA	16400X	Penicillium purpurogenum	316	39,260,610	100
						Total: 39,260,610	
				Fungi			
211909-21	0.108	CMA	16400X	Penicillium	96	10,022,220	100
						Total: 10,022,220	
				Fungi			
		MEA	16400X	Penicillium chrysogenum	49	7,440,741	100
						Total: 7,440,741	
				Fungi			
211909-22	0.113	CMA	16400X	Stachybotrys chartarum	174	25,253,100	100
						Total: 25,253,100	
				Fungi			
		MEA	16400X	Stachybotrys chartarum	162	23,511,500	100
						Total: 23,511,500	
				Fungi			
211909-23	0.108	CMA	16400X	Penicillium	74	11,237,040	100
						Total: 11,237,040	
				Fungi			
		MEA	16400X	Penicillium aurantiogriseum	9	1,366,667	14
				Penicillium chrysogenum	52	7,896,296	79
				Penicillium crustosum	5	759,259	8
						Total: 10,022,220	
				Fungi			
211909-24	0.177	CMA	4100X	Penicillium	3	69,492	10
				Ulocladium botrytis	26	602,260	90
						Total: 671,751	
A-LEVEL				Fungi			
		MEA	4100X	Penicillium chrysogenum	2	46,328	6
				Ulocladium botrytis	33	764,407	94
						Total: 810,734	

* Percentage of each group of fungi / bacteria in total population.

** Concentration is (CFU/Sample) if sample amount is NA.

Media types: Cellulose agar (CA), Czapek cellulose agar (CCA), commeal agar (CMA), 2% malt extract agar (MEA), 2% malt extract agar plus 20% sucrose (MEA+S), inhibitory mold agar (IMA), Pseudomonas isolation agar (PIA), rose bengal agar (RBA), sabouraud dextrose agar (SDA), tryptic soy agar (TSA), nutrient agar (NTA), Blood agar (BA), Staphylococcus Medium 110 (Staphy).
The detection limit of fungal and bacterial analysis using culture methods is one colony. The quantitation limits vary from analysis to analysis and from processing procedure to processing procedure. Contact us to determine your quantitation limits.

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Approved by: _____
Chin S. Yang, Ph.D., Microbiologist

Quality control checked by: _____

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