



Tuesday, August 14, 2018

Attn: Mr. Ted Tio
Hygenix
49 Woodside St.
Stamford, CT 06902

Project ID: WPS-CMS
Sample ID#s: CB08048 - CB08049

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script that reads "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 August 14, 2018

FOR: Attn: Mr. Ted Tio
 Hygenix
 49 Woodside St.
 Stamford, CT 06902

Sample Information

Matrix: AIR
 Location Code: HYGENIX
 Rush Request: Standard
 P.O.#:
 Canister Id: 226

Custody Information

Collected by: TT
 Received by: LB
 Analyzed by: see "By" below

Date Time
 08/09/18 10:40
 08/09/18 15:13

Laboratory Data

SDG ID: GCB08048
 Phoenix ID: CB08048

Project ID: WPS-CMS
 Client ID: OFFICE 229A (LAUREN)

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.500	ND	3.43	08/09/18	KCA	1
1,1,1-Trichloroethane	ND	0.500	ND	2.73	08/09/18	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.500	ND	3.43	08/09/18	KCA	1
1,1,2-Trichloroethane	ND	0.500	ND	2.73	08/09/18	KCA	1
1,1-Dichloroethane	ND	0.500	ND	2.02	08/09/18	KCA	1
1,1-Dichloroethene	ND	0.500	ND	1.98	08/09/18	KCA	1
1,2,4-Trichlorobenzene	ND	0.500	ND	3.71	08/09/18	KCA	1
1,2,4-Trimethylbenzene	ND	0.500	ND	2.46	08/09/18	KCA	1
1,2-Dibromoethane(EDB)	ND	0.500	ND	3.84	08/09/18	KCA	1
1,2-Dichlorobenzene	ND	0.500	ND	3.00	08/09/18	KCA	1
1,2-Dichloroethane	ND	0.500	ND	2.02	08/09/18	KCA	1
1,2-dichloropropane	ND	0.500	ND	2.31	08/09/18	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.500	ND	3.49	08/09/18	KCA	1
1,3,5-Trimethylbenzene	ND	0.500	ND	2.46	08/09/18	KCA	1
1,3-Butadiene	ND	0.500	ND	1.11	08/09/18	KCA	1
1,3-Dichlorobenzene	ND	0.500	ND	3.00	08/09/18	KCA	1
1,4-Dichlorobenzene	ND	0.500	ND	3.00	08/09/18	KCA	1
1,4-Dioxane	ND	0.500	ND	1.80	08/09/18	KCA	1
2-Hexanone(MBK)	ND	0.500	ND	2.05	08/09/18	KCA	1
4-Ethyltoluene	ND	0.500	ND	2.46	08/09/18	KCA	1
4-Isopropyltoluene	ND	0.500	ND	2.74	08/09/18	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.500	ND	2.05	08/09/18	KCA	1
Acetone	9.04	0.500	21.5	1.19	08/09/18	KCA	1
Acrylonitrile	ND	0.500	ND	1.08	08/09/18	KCA	1
Benzene	ND	0.500	ND	1.60	08/09/18	KCA	1
Benzyl chloride	ND	0.500	ND	2.59	08/09/18	KCA	1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.500	ND	3.35	08/09/18	KCA	1
Bromoform	ND	0.500	ND	5.17	08/09/18	KCA	1
Bromomethane	ND	0.500	ND	1.94	08/09/18	KCA	1
Carbon Disulfide	ND	0.500	ND	1.56	08/09/18	KCA	1
Carbon Tetrachloride	ND	0.500	ND	3.14	08/09/18	KCA	1
Chlorobenzene	ND	0.500	ND	2.30	08/09/18	KCA	1
Chloroethane	ND	0.500	ND	1.32	08/09/18	KCA	1
Chloroform	ND	0.500	ND	2.44	08/09/18	KCA	1
Chloromethane	1.99	0.500	4.11	1.03	08/09/18	KCA	1
Cis-1,2-Dichloroethene	ND	0.500	ND	1.98	08/09/18	KCA	1
cis-1,3-Dichloropropene	ND	0.500	ND	2.27	08/09/18	KCA	1
Cyclohexane	ND	0.500	ND	1.72	08/09/18	KCA	1
Dibromochloromethane	ND	0.500	ND	4.26	08/09/18	KCA	1
Dichlorodifluoromethane	0.594	0.500	2.94	2.47	08/09/18	KCA	1
Ethanol	13.4	0.500	25.2	0.94	08/09/18	KCA	1
Ethyl acetate	ND	0.500	ND	1.80	08/09/18	KCA	1
Ethylbenzene	ND	0.500	ND	2.17	08/09/18	KCA	1
Heptane	ND	0.500	ND	2.05	08/09/18	KCA	1
Hexachlorobutadiene	ND	0.500	ND	5.33	08/09/18	KCA	1
Hexane	ND	0.500	ND	1.76	08/09/18	KCA	1
Isopropylalcohol	6.10	0.500	15.0	1.23	08/09/18	KCA	1
Isopropylbenzene	ND	0.500	ND	2.46	08/09/18	KCA	1
m,p-Xylene	ND	1.00	ND	4.34	08/09/18	KCA	1
Methyl Ethyl Ketone	0.614	0.500	1.81	1.47	08/09/18	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.500	ND	1.60	08/09/18	KCA	1
Methylene Chloride	ND	0.500	ND	1.74	08/09/18	KCA	1
n-Butylbenzene	ND	0.500	ND	2.74	08/09/18	KCA	1
o-Xylene	ND	0.500	ND	2.17	08/09/18	KCA	1
Propylene	ND	0.500	ND	0.86	08/09/18	KCA	1
sec-Butylbenzene	ND	0.500	ND	2.74	08/09/18	KCA	1
Styrene	ND	0.500	ND	2.13	08/09/18	KCA	1
Tetrachloroethene	ND	0.500	ND	3.39	08/09/18	KCA	1
Tetrahydrofuran	ND	0.500	ND	1.47	08/09/18	KCA	1
Toluene	0.517	0.500	1.95	1.88	08/09/18	KCA	1
Trans-1,2-Dichloroethene	ND	0.500	ND	1.98	08/09/18	KCA	1
trans-1,3-Dichloropropene	ND	0.500	ND	2.27	08/09/18	KCA	1
Trichloroethene	ND	0.500	ND	2.69	08/09/18	KCA	1
Trichlorofluoromethane	ND	0.500	ND	2.81	08/09/18	KCA	1
Trichlorotrifluoroethane	ND	0.500	ND	3.83	08/09/18	KCA	1
Vinyl Chloride	ND	0.500	ND	1.28	08/09/18	KCA	1
QA/QC Surrogates							
% Bromofluorobenzene	91	%	91	%	08/09/18	KCA	1

Project ID: WPS-CMS

Phoenix I.D.: CB08048

Client ID: OFFICE 229A (LAUREN)

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Dilution
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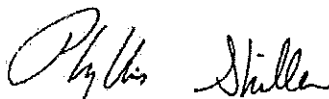
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

August 14, 2018

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Westport Public Schools
Attn. Craig Schmarr
110 Myrtle Ave
Westport, CT

August 2, 2018

Re: Post Remediation Inspection
Coleytown Middle School

Dear Mr. Schmarr.

This letter summarizes the post remediation inspection and sampling performed at the above referenced school on July 30, 2018. At the time of the inspection, the nurse suite and back storage room work area appeared to be clean and dry.

To quantify for airborne mold, indoor air samples and one outdoor reference air sample were collected using Zefon Air-O-Cell cassettes in accordance with the manufacturer's recommended protocol. All samples were delivered to Pure Earth Environmental Laboratory Inc., where they were analyzed for mold by direct microscopic examination. The following table is a summary of the attached lab results:

TABLE 1. AIR-O-CELL SAMPLE RESULTS

Location	Total Counts Spr/m3	Predominant Species	Individual Counts Spr/m3
Outdoors	8747	<i>Ascospores</i>	3200
		<i>Basidiospores</i>	3520
Nurse Suite	800	<i>Ascospores</i>	427
		<i>Penicillium / Aspergillus Group</i>	267
Nurse Exam Room	1013	<i>Basidiospores</i>	320
		<i>Cladosporium</i>	480
Storage Closet	600	<i>Ascospores</i>	213
		<i>Basidiospores</i>	267

The following typical indoor mold spore concentration ranges were suggested as a "guide to evaluating the relative degree of indoor airborne mold spore amplification" by Daniel Baxter, the inventor of the Air-O-Cell mold spore trap, the most widely used bioaerosol sampling device:

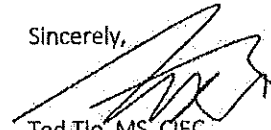
TABLE 2.

Description	Spores(CTS/M3)	Predominant Types
"Clean" building	less than 2,000	Total for all spores
	less than 700	<i>Penicillium, Aspergillus</i>
Possible Indoor Amplification	1,000-5,000	<i>Penicillium, Aspergillus, Cladosporium</i>
Indoor Amplification likely present	5,000-10,000	
Chronic Indoor Amplification	10,000-500,000	<i>Penicillium, Aspergillus, Cladosporium</i>
Inadequate flood cleanup or active indoor demolition of contaminated surfaces	50,000-10,000,000	<i>Penicillium, Aspergillus, Stachybotrys, Cladosporium, Chaetomium, Basidiomycetes, Trichoderma, Ulocladium, etc.</i>

July 2018

- Nurse Suite, Exam Room, Storage Room -- Airborne Mold Test - Satisfactory -- The sample results were not elevated and have satisfied the criteria for "Clean" building.
- Nurse Suite, Exam Room, Storage Room -- Visual Inspection -- Satisfactory -- All previously affected areas/surfaces appeared to be clean and dry. Work area containment have met post remediation standards.

Sincerely,



Ted Tio, MS, CIEC
Hygenix, Inc.

AIR TEST LAB RESULTS

Hygenix, Inc
49 Woodside St.
Stamford, Connecticut 06902
Project: **WPS - CMS 0730**
Condition of Sample(s) Upon Receipt: Acceptable

Date Collected: 07/30/2018
Date Received: 07/31/2018
Date Analyzed: 07/31/2018
Date Reported: 07/31/2018
Project ID: 18026686
Page 1 of 3

1054 Spore Trap Analysis: SOP 3.8

Client Sample Number	25625059				25625051			
Sample Location	NURSE SUITE				OUTDOOR			
Sample Volume (L)	75				75			
Lab Sample Number	18026686-002				18026686-001			
Spore Identification	Raw Ct	spr/m ³	% Ttl	In/Out	Raw Ct	spr/m ³	% Ttl	In/Out
ascospores	8	427	53	1/8	60	3200	37	-
basidiospores	1	53	7	1/66	66	3520	40	-
Cladosporium	1	53	7	1/36	36	1920	22	-
hyphal elements	-	-	-	-	1	53	1	-
Penicillium/Aspergillus group	5	267	33	-	-	-	-	-
Pithomyces	-	-	-	-	1	53	1	-
	Debris Rating 2				Debris Rating 3			
Analytical Sensitivity	Analytical Sensitivity: 13 spr/m ³				Analytical Sensitivity: 13 spr/m ³			
Comments								
Total *See Footnotes	15	800	~100%	1/11	164	8747	~100%	-

Client Sample Number	25625060				25625051			
Sample Location	NURSE EXAM				OUTDOOR			
Sample Volume (L)	75				75			
Lab Sample Number	18026686-003				18026686-001			
Spore Identification	Raw Ct	spr/m ³	% Ttl	In/Out	Raw Ct	spr/m ³	% Ttl	In/Out
ascospores	2	107	11	1/30	60	3200	37	-
basidiospores	6	320	32	1/11	66	3520	40	-
Cladosporium	9	480	47	1/4	36	1920	22	-
hyphal elements	-	-	-	-	1	53	1	-
Penicillium/Aspergillus group	2	107	11	-	-	-	-	-
Pithomyces	-	-	-	-	1	53	1	-
	Debris Rating 3				Debris Rating 3			
Analytical Sensitivity	Analytical Sensitivity: 13 spr/m ³				Analytical Sensitivity: 13 spr/m ³			
Comments								
Total *See Footnotes	19	1013	~100%	1/9	164	8747	~100%	-

Hygenix, Inc
49 Woodside St.
Stamford, Connecticut 06902
Project: **WPS - CMS 0730**
Condition of Sample(s) Upon Receipt: Acceptable

Date Collected: 07/30/2018
Date Received: 07/31/2018
Date Analyzed: 07/31/2018
Date Reported: 07/31/2018
Project ID: 18026686
Page 2 of 3

Client Sample Number	25625050				25625051			
Sample Location	STORAGE CLOSET				OUTDOOR			
Sample Volume (L)	75				75			
Lab Sample Number	18026686-004				18026686-001			
Spore Identification	Raw Ct	spr/m ³	% Ttl	In/Out	Raw Ct	spr/m ³	% Ttl	In/Out
ascospores	4	213	36	1/15	60	3200	37	-
basidiospores	5	267	44	1/13	66	3520	40	-
Cladosporium	2	107	18	1/18	36	1920	22	-
hyphal elements	-	-	-	-	1	53	1	-
Penicillium/Aspergillus group	1	13	2	-	-	-	-	-
Pithomyces	-	-	-	-	1	53	1	-
	Debris Rating 3				Debris Rating 3			
Analytical Sensitivity	Analytical Sensitivity: 13 spr/m ³				Analytical Sensitivity: 13 spr/m ³			
Comments								
Total *See Footnotes	12	600	~100%	1/15	164	8747	~100%	-

Lab Use:
18026686

STATE OF ARIZONA
 NVLAP Lab Code 200860-0 (CO)
 NVLAP Lab Code 200829-0 (VA)
 NVLAP Lab Code 500997-0 (AZ)
 LAB #192683 (CO)
 LAB #102972 (GA)
 LAB #163063 (VA)
 LAB #210229 (AZ)

Aerobiology Client		AZ, CO, GA, VA, NJ	
Field Contact	HYGENIX INC. 49 Woodside Street Stamford, CT 06902	Collected By/Date:	7/30/18
Reporting Address		Requisitioned By/Date:	7/30/18
Billing Address		Relinquished By/Date:	7-31-18
Phone/Fax		Sampler Type	Andersen <input type="checkbox"/> SAS <input checked="" type="checkbox"/> SampleAire <input type="checkbox"/> Other <input type="checkbox"/> AeroTrap <input checked="" type="checkbox"/> BioCultura <input type="checkbox"/>
Reporting Email (s)		PO#/Job#:	HYGENIX - WPS
Routine <input checked="" type="radio"/> 24 Hour <input type="radio"/> Same Day <input type="radio"/> 4 Hour <input type="radio"/> 2 Hour <input type="radio"/>		Project Name:	CMS 0730
		Notes:	SAME DAY RUSH
SAMPLING LOCATION ZIP CODE		CC Info:	

Sample No.	Test Code	Sample Location	Total Volume/Area
1 25625051	1054	OUTDOOR	75L
2 25625054	1054	Nurse Suite 48%	75L
3 25625060	1054	Nurse Exam 53%	75L
4 25625050	1054	Storage Cabinet	75L
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			

1054	Direct, Non-viable Spore Trap	1015	Culture - WATER Legionella
1051	Direct, Qualitative- Swab/Tape	1017	Culture - SWAB Legionella
1050	Direct, Qualitative- Bulk	1010	WATER - Potable - E. coli/total coliforms
1005	AIR Culture - Bacterial Count w/ ID's	1012	SWAB - E. coli/total coliforms
1030	AIR Culture - Fungal Count w/ ID's	1028	Sewage Screen (E. coli/Enterococcus/fecal coliforms)
1006	SWAB Culture - Bacterial Count w/ ID's	2056	Heterotrophic Plate Count
1031	SWAB Culture - Fungal Count w/ ID's	3001	ASBESTOS - Point count
1008	BULK Culture - Bacterial Count w/ ID's	3002	ASBESTOS - PLM Analysis
1033	BULK Culture - Fungal Count w/ ID's	3003	ASBESTOS - Particle characterization
1007	WATER Culture - Bacterial Count w/ID's	3004	ASBESTOS - PCM Analysis

7184 North Park Drive, Pennsauken, NJ 08109 - (856) 488-1177 Fax (856) 486-0005 - email: info@pureairlab.com
 2400 Herodian Way, Suite 190, Smyrna, GA 30080 - (866) 620-9313 Fax (770) 947-2938 - email: ATL@aerobiology.net
 780 Simms Street, Suite 104, Golden, CO 80401 (888) 620-9348 Fax (303) 232-0203 - email: denver@aerobiology.net
 43760 Trade Center Place, Suite 100, Dulles, VA 20185 - (877) 648-9160 Fax (877) 688-0848 - email: info@aerobiology.net
 15061 Springdale Street, Suite 111, Huntington Beach, CA 92648 - (714) 895-8401 - (866) 895-8132 - email: social@aerobiology.net
 2228 West Northern Avenue, Suite B110, Phoenix, AZ 85021 - (855) 738-5619 Fax (602) 441-2818 - email: phoenix@aerobiology.net

Hygenix, Inc
 49 Woodside St.
 Stamford, Connecticut 06902
 Project: **WPS - CMS 9/9/18**
 Condition of Sample(s) Upon Receipt: Acceptable

Date Collected: 09/09/2018
 Date Received: 09/10/2018
 Date Analyzed: 09/10/2018
 Date Reported: 09/10/2018
 Project ID: 18033129
 Page 1 of 3

1054 Spore Trap Analysis: SOP 3.8

Client Sample Number	26605785				26606139			
Sample Location	RM 219 1WA				OUTDOOR			
Sample Volume (L)	75				75			
Lab Sample Number	18033129-001				18033129-004			
Spore Identification	Raw Ct	spr/m ³	% Ttl	In/Out	Raw Ct	spr/m ³	% Ttl	In/Out
ascospores	1	53	17	1/20	20	1067	38	-
basidiospores	-	-	-	-	10	533	19	-
Cladosporium	5	267	83	1/2	12	640	23	-
hyphal elements	-	-	-	-	1	53	2	-
Pithomyces	-	-	-	-	1	53	2	-
Smuts,Periconia,Myxomycetes	-	-	-	-	8	427	15	-
	Debris Rating 3				Debris Rating 3			
Analytical Sensitivity	Analytical Sensitivity: 13 spr/m ³				Analytical Sensitivity: 13 spr/m ³			
Comments								
Total *See Footnotes	6	320	~100%	1/9	52	2773	~100%	-

Client Sample Number	26605794				26606139			
Sample Location	RM 222 1WA				OUTDOOR			
Sample Volume (L)	75				75			
Lab Sample Number	18033129-002				18033129-004			
Spore Identification	Raw Ct	spr/m ³	% Ttl	In/Out	Raw Ct	spr/m ³	% Ttl	In/Out
ascospores	-	-	-	-	20	1067	38	-
basidiospores	1	53	17	1/10	10	533	19	-
Cladosporium	3	160	50	1/4	12	640	23	-
hyphal elements	-	-	-	-	1	53	2	-
Pithomyces	2	107	33	2/1	1	53	2	-
Smuts,Periconia,Myxomycetes	-	-	-	-	8	427	15	-
	Debris Rating 3				Debris Rating 3			
Analytical Sensitivity	Analytical Sensitivity: 13 spr/m ³				Analytical Sensitivity: 13 spr/m ³			
Comments								
Total *See Footnotes	6	320	~100%	1/9	52	2773	~100%	-

Hygenix, Inc
49 Woodside St.
Stamford, Connecticut 06902
Project: **WPS - CMS 9/9/18**
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Date Reported: 09/10/2018
Project ID: 18033129
Page 2 of 3

Client Sample Number	26606067				26606139			
Sample Location	ROOM 226 1WA / ROOM 227 1WA				OUTDOOR			
Sample Volume (L)	75				75			
Lab Sample Number	18033129-003				18033129-004			
Spore Identification	Raw Ct	spr/m ³	% Ttl	In/Out	Raw Ct	spr/m ³	% Ttl	In/Out
ascospores	-	-	-	-	20	1067	38	-
basidiospores	-	-	-	-	10	533	19	-
Cladosporium	2	107	50	1/6	12	640	23	-
hyphal elements	-	-	-	-	1	53	2	-
Pithomyces	1	53	25	1/1	1	53	2	-
Smuts,Periconia,Myxomycetes	1	53	25	1/8	8	427	15	-
	Debris Rating 3				Debris Rating 3			
Analytical Sensitivity	Analytical Sensitivity: 13 spr/m ³				Analytical Sensitivity: 13 spr/m ³			
Comments								
Total *See Footnotes	4	213	~100%	1/13	52	2773	~100%	-

Hygenix, Inc
49 Woodside St.
Stamford, Connecticut 06902
Project: **WPS - CMS 9/9/18**
Condition of Sample(s) Upon Receipt: Acceptable

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Page 3 of 3

Footnotes and Additional Report Information

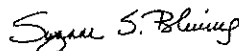
Debris Rating Table

1	Minimal (<5%) particulate present	Reported values are minimally affected by particulate load.
2	5% to 25% of the trace occluded with particulate	Negative bias is expected. The degree of bias increases directly with the percent of the trace that is occluded.
3	26% to 75% of the trace occluded with particulate	Negative bias is expected. The degree of bias increases directly with the percent of the trace that is occluded.
4	75% to 90% of the trace occluded with particulate	Negative bias is expected. The degree of bias increases directly with the percent of the trace that is occluded.
5	Greater than 90% of the trace occluded with particulate	Quantification not possible due to large negative bias. A new sample should be collected at a shorter time interval or other measures taken to reduce particulate load.

1. Penicillium/Aspergillus group spores are characterized by their small size, round to ovoid shape, being unicellular, and usually colorless to lightly pigmented. There are numerous genera of fungi whose spore morphology is similar to that of the Penicillium/Aspergillus type. Two common examples would be Paecilomyces and Acremonium. Although the majority of spores placed in this group are Penicillium, Aspergillus, or a combination of both. Keep in mind that these are not the only two possibilities.
2. Ascospores are sexually produced fungal spores formed within an ascus. An ascus is a sac-like structure designed to discharge the ascospores into the environment, e.g. Ascobolus.
3. Basidiospores are typically blown indoors from outdoors and rarely have an indoor source. However, in certain situations a high basidiospore count indoors may be indicative of a wood decay problem or wet soil.
4. The colorless group contains colorless spores which were unidentifiable to a specific genus. Examples of this group include Acremonium, Aphanocladium, Beauveria, Chrysosporium, Engyodontium microconidia, yeast, some arthrospores, as well as many others.
5. Hyphae are the vegetative mode of fungi. Hyphal elements are fragments of individual Hyphae. They can break apart and become airborne much like spores and are potentially allergenic. A mass of hyphal elements is termed the mycelium. Hyphae in high concentration may be indicative of colonization.
6. Dash (-) in this report, under raw count column means 'not detected (ND)'; otherwise 'not applicable' (NA).
7. The positive-hole correction factor is a statistical tool which calculates a probable count from the raw count, taking into consideration that multiple particles can impact on the same hole; for this reason the sum of the calculated counts may be less than the positive hole corrected total.
8. Due to rounding totals may not equal 100%.
9. Analytical Sensitivity for each spores is different for Non-viable sample when the spores are read at different percentage. Analytical Sensitivity is calculated as spr/m^3 divided by raw count. $\text{spr}/\text{m}^3 = \text{raw counts} \times (100/\% \text{ read}) \times (1000/\text{Sample volume})$. If Analytical Sensitivity is $13 \text{ spr}/\text{m}^3$ at 100% read, Analytical Sensitivity at 50% read would be $27 \text{ spr}/\text{m}^3$, which is 2 times higher. Analytical Sensitivity provided on the report is based on an assumed 100% of the trace being analyzed.
10. Minimum Reporting Limits (MRL) for BULKs, DUSTs, SWABS, and WATER samples are a calculation based on the sample size and the dilution plate on which the organism was counted. Results are a compilation of counts taken from multiple dilutions and multiple medias. This means that every genus of fungi or bacteria recovered can be counted on the plate on which it is best represented.
11. If the final quantitative result is corrected for contamination based on the blank, the blank correction is stated in the sample comments section of the report.
12. The results in this report are related to this project and these samples only.
13. For samples with an air volume of < 100L, the number of significant figures in the result should be considered (2) two. For samples with air volumes between 100-999L, the number of significant figures in the result should be considered (3) three. For example, a sample with a result of $55,443 \text{ spr}/\text{m}^3$ from a 75L sample using significant figures should be considered 55,000. The same result of $55,443$ from a 150L sample using significant figures should be considered $55,400 \text{ spr}/\text{m}^3$.
14. If the In/Out ratio is greater than 100 times it is indicated $>100/1$, rather than showing the real value.

Terminology Used in Direct Exam Reporting

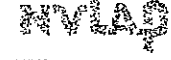
Conidiophores are a type of modified hyphae from which spores are born. When seen on a surface sample in moderate to numerous concentrations they may be indicative of fungal growth.



Suzanne S. Blevins, B.S., SM (ASCP)
Laboratory Director

Lab Use:
18033129

ELITE



NVLAP Lab Code 200850-0 (CO)
 NVLAP Lab Code 200829-0 (VA)
 NVLAP Lab Code 500287-0 (AZ)

✓ **REGISTERED**
 LABORATORY
 LAB #192683 (CO)
 LAB #162977 (GA)
 LAB #163063 (VA)
 LAB #210729 (AZ)

Aerobiology Client			
Field Contact	HYGENIX INC. 49 Woodside Street Stamford, CT 06902	Collected By/Date:	9/9/18
Reporting Address		Relinquished By/Date:	
Billing Address		Received By/Date:	MM 9-10-18
Phone/Fax		Sampler Type	Andersen <input type="checkbox"/> SAS <input checked="" type="checkbox"/>
Reporting Email (s)		PO#Job#:	HYGENIX - WPS
Routine <input checked="" type="radio"/> 24 Hour <input type="radio"/> Same Day <input type="radio"/> 4 Hour <input type="radio"/> 2 Hour <input type="radio"/> 5 Day (Autoclave Only) <input type="radio"/>		Project Name:	CMS 9/9/18
SAMPLING LOCATION ZIP CODE		CC Info: 2 HR TAT	
		Notes: 2-4-18 411	

Sample No.	Test Code	Sample Location	Total Volume/Area
1 2660 5785	1054	Rm 219 IWA	75L
2 2660 5794	1054	Rm 222 IWA	75L
3 2660 6067	1054	Combine RM 226 IWA	75L
4	1054	RM 227 IWA	75L
5 2660 6139	1054	interior	75L
6			
7			
8			
9			
10			
11			
12			
13			
14			

1054	Direct, Non-viable Spore Trap	1015	Culture - WATER Legionella
1051	Direct, Qualitative - Swab/Tape	1017	Culture - SWAB Legionella
1050	Direct, Qualitative - Bulk	1010	WATER - Potable - E. coli/total coliforms
1005	AIR Culture - Bacterial Count w/ ID's	1012	SWAB - E. coli/total coliforms
1030	AIR Culture - Fungal Count w/ ID's	1028	Sewage Screen (E. coli/Enterococcus/fecal coliforms)
1006	SWAB Culture - Bacterial Count w/ ID's	2056	Heterotrophic Plate Count
1031	SWAB Culture - Fungal Count w/ ID's	3001	ASBESTOS - Point count
1008	BULK Culture - Bacterial Count w/ ID's	3002	ASBESTOS - PLM Analysis
1033	BULK Culture - Fungal Count w/ ID's	3003	ASBESTOS - Particle characterization
1007	WATER Culture - Bacterial Count w/ID's	3004	ASBESTOS - PCM Analysis

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