



Occupational Health & Safety • Environmental Consultants

OccuHealth, Inc.
44 Wood Avenue
Mansfield, MA 02048

Tel. (508) 339-9119
Tel. (800) 729-1035
Fax (508) 339-2893
j_mcneff@occuhealth.com

August 21, 2020

City of Peabody
Mr. James Hafey
Facilities Director
50 Farm Avenue
Peabody, MA 01960

RE: Airborne Mold and Dust Assessments
All 10 Peabody Schools
Peabody, MA

emailed to: james.hafey@peabody-ma.gov

Dear Mr. Hafey:

OccuHealth, Inc. (OHI) is submitting the enclosed report on the airborne mold and dust assessments conducted on August 17, 2020 at the city's eight elementary schools as well as the middle school and high school.

Please call either of us at (508) 339-9119 with any questions. Thank you for opportunity to be of service.

Regards,
OCCUHEALTH, INC.

A handwritten signature in blue ink, appearing to read 'Jay McNeff'.

Jay McNeff, Sr. Project Manager

A handwritten signature in blue ink, appearing to read 'Thomas E. Hamilton'.

Thomas E. Hamilton, CIH

Enclosure



OccuHealth

**AIRBORNE MOLD AND DUST ASSESSMENTS
10 PEABODY SCHOOLS
PEABODY, MASSACHUSETTS**

Prepared for:
**MR. JIM HAFEY
FACILITIES DIRECTORY
CITY OF PEABODY
50 FARM AVENUE
PEABODY, MA 01960**

Conducted by:
**OCCUHEALTH, INC.
44 WOOD AVENUE
MANSFIELD, MA 02048
(508) 339-9119
OHI PROJECT 20-10536**

Report Date:
August 21, 2020

**AIRBORNE MOLD AND DUST ASSESSMENTS
10 PEABODY SCHOOLS
PEABODY, MASSACHUSETTS**

TABLE OF CONTENTS

<u>SECTION</u>	<u>DESCRIPTION</u>	<u>PAGE</u>
1.0	Introduction	1
2.0	Inspection	1
3.0	Airborne Mold Spore Testing.....	1
4.0	Airborne Dust Characterization	8
5.0	Conclusions	20
6.0	Limitations	20

Attachments

Environmental Airborne Aerosol Analysis Laboratory Reports
EAA Chain-of-Custody Forms

Report Synopsis: On August 17, 2020, OccuHealth, Inc. (OHI) conducted indoor airborne mold and dust assessments in all of the public schools located in Peabody, Massachusetts.

During this assessment, OHI collected samples for airborne mold spores and dust particulates at four locations in each of the eight elementary schools and six samples at each of the middle and high schools.

Based on the results of the inspections and the laboratory results, OHI concludes that airborne mold spores and particulate levels are within normal ranges in all locations sampled.

OccuHealth has no recommendations to offer at this time.

1.0 INTRODUCTION

OccuHealth, Inc. (OHI) was requested to conduct indoor airborne mold and dust assessments for the City of Peabody at the ten schools located in Peabody, Massachusetts. This work was requested and authorized by Mr. Jim Hafey, Facilities Director for the City of Peabody. OHI was asked to evaluate the eight elementary schools, the middle school and the high school in preparation for school re-opening. The assessments were conducted on August 17, 2020 by Mr. Jay McNeff under the supervision of Thomas E. Hamilton, CIH, both of OHI. Mr. Hafey escorted Mr. McNeff for these assessments.

2.0 INSPECTION

OHI did not observe any evidence of water damage or mold growth in any of the building or classroom areas. All locations appeared clean and very few areas had any visible settled dust. The respective tables below identify the school locations sampled.

3.0 AIRBORNE MOLD SPORE TESTING

Sampling and Analytical Methodology

OHI collected 45 air samples for mold spore analysis in the areas as identified in the tables below. An outdoor sample was taken for comparison. The air samples were collected using a high volume pump with Zefon Air-O-Cell cassettes. An Air-O-Cell cassette is a spore and dust trap which allows for rapid detection and identification of mold spores using bright light microscopy. Culturable and non-viable mold spores are collected and counted. The analytical results can be compared to data from available studies and to levels seen outdoors.

The sample pump was calibrated to a flow rate of 15 liters per minute and the samples were collected for 5 minutes. The sample pump utilized for the air sampling was calibrated before the sampling event using a precision rotameter. This rotameter was in turn calibrated using a primary standard.

The samples were submitted under chain-of-custody for quantitative analysis to Environmental Analysis Associates, Inc. (EAA) in Bay City, Michigan. Copies of the laboratory report and chain-of-custody form are attached.

Analytical Results

The analytical results are summarized in Tables 1a through 1j below. To interpret the results, an airborne mold spore concentration of less than 2,000 counts per cubic meter of air (cts/m³) as a total spore count, and less than 1,000 cts/m³ for any one mold genus is considered low or clean for an indoor environment.

The laboratory detected normal mold spore concentrations in all samples.

**Table 1a: Airborne Mold Spore Testing Results
 Burke Elementary School**

Location	Sample Number	Total Mold Spores (cts/m ³)	Predominant Mold Genera (cts/m ³)
Nurse's Office	29928969	3,890	Mix tiny hyal, Asco & Basidiospores (3,750) Pigmented Asco & Basidiospores (137)
1 st floor hallway by rooms 102,103	29928967	10,300	Mix tiny hyal, Asco & Basidiospores (10,200) Cladosporium (91)
Auditorium/ Cafeteria	29928387	2,100	Mix tiny hyal, Asco & Basidiospores (2,100)
2 nd floor hallway by room 205	29928370	4,040	Mix tiny hyal, Asco & Basidiospores (3,930) Pigmented Asco & Basidiospores (91) Pithomyces (14)
Outdoors	29928374	29,000	Mix tiny hyal, Asco & Basidiospores (27,800) Pigmented Asco & Basidiospores (823) Cladosporium (274) Other Hyaline Fungi (91)

cts/m³= counts per cubic meter of air

**Table 1b: Airborne Mold Spore Testing Results
 West Elementary School**

Location	Sample Number	Total Mold Spores (cts/m ³)	Predominant Mold Genera (cts/m ³)
Nurse's Office	29928362	3,750	Mix tiny hyal, Asco & Basidiospores (3,750)
Gymnasium	29928379	1,510	Mix tiny hyal, Asco & Basidiospores (1,460) Pigmented Asco & Basidiospores (46)
Hallway by room 16	29928380	1,230	Mix tiny hyal, Asco & Basidiospores (1,230)
Hallway by room 4	29928521	5,260	Mix tiny hyal, Asco & Basidiospores (4,850) Pigmented Asco & Basidiospores (320) Cladosporium (91)
Outdoors	29928374	29,000	Mix tiny hyal, Asco & Basidiospores (27,800) Pigmented Asco & Basidiospores (823) Cladosporium (274) Other Hyaline Fungi (91)

cts/m³= counts per cubic meter of air

**Table 1c: Airborne Mold Spore Testing Results
 McCarthy Elementary School**

Location	Sample Number	Total Mold Spores (cts/m ³)	Predominant Mold Genera (cts/m ³)
Nurse's Office	29928375	411	Mix tiny hyal, Asco & Basidiospores (320) Cladosporium (91)
Gymnasium	29928382	3,610	Mix tiny hyal, Asco & Basidiospores (3,610)
Hallway by room 16	29928371	6,720	Mix tiny hyal, Asco & Basidiospores (6,490) Pigmented Asco & Basidiospores (137) Cladosporium (91)
Hallway by room 4	29928377	8,050	Mix tiny hyal, Asco & Basidiospores (8,050)
Outdoors	29928374	29,000	Mix tiny hyal, Asco & Basidiospores (27,800) Pigmented Asco & Basidiospores (823) Cladosporium (274) Other Hyaline Fungi (91)

cts/m³= counts per cubic meter of air

**Table 1d: Airborne Mold Spore Testing Results
 Center Elementary School**

Location	Sample Number	Total Mold Spores (cts/m ³)	Predominant Mold Genera (cts/m ³)
Hallway by room 9	29928365	3,380	Mix tiny hyal, Asco & Basidiospores (2,470) Cladosporium (411) Pigmented Asco & Basidiospores (274) Aspergillus/Penicillium (137) Pithomyces (46) Other Hyaline Fungi (46)
Auditorium/ Cafeteria	29928401	2,050	Mix tiny hyal, Asco & Basidiospores (1,780) Cladosporium (137) Pigmented Asco & Basidiospores (137)
Nurse's Office	29928435	2,470	Mix tiny hyal, Asco & Basidiospores (1,690) Cladosporium (503) Pigmented Asco & Basidiospores (229) Other Hyaline Fungi (46)
2 nd floor hallway by room 202	29928376	1,600	Mix tiny hyal, Asco & Basidiospores (1,010) Cladosporium (320) Pigmented Asco & Basidiospores (274)
Outdoors	29928374	29,000	Mix tiny hyal, Asco & Basidiospores (27,800) Pigmented Asco & Basidiospores (823) Cladosporium (274) Other Hyaline Fungi (91)

cts/m³= counts per cubic meter of air

**Table 1e: Airborne Mold Spore Testing Results
 South Elementary School**

Location	Sample Number	Total Mold Spores (cts/m ³)	Predominant Mold Genera (cts/m ³)
Cafeteria (basement)	29928353	686	Mix tiny hyal, Asco & Basidiospores (549) Cladosporium (91) Pigmented Asco & Basidiospores (46)
2 nd floor hallway by room 202	29928367	320	Mix tiny hyal, Asco & Basidiospores (274) Other Hyaline Fungi (46)
1 st floor hallway by room 102	29928354	91	Mix tiny hyal, Asco & Basidiospores (91)
Nurse's Office	29928533	503	Mix tiny hyal, Asco & Basidiospores (503)
Outdoors	29928374	29,000	Mix tiny hyal, Asco & Basidiospores (27,800) Pigmented Asco & Basidiospores (823) Cladosporium (274) Other Hyaline Fungi (91)

cts/m³= counts per cubic meter of air

**Table 1f: Airborne Mold Spore Testing Results
 Welch Elementary School**

Location	Sample Number	Total Mold Spores (cts/m ³)	Predominant Mold Genera (cts/m ³)
Nurse's Office	29928513	Not Detected	None Detected
1 st floor hallway by rooms 14,15	29928957	151	Mix tiny hyal, Asco & Basidiospores (91) Pigmented Asco & Basidiospores (46) Other Fungi (14)
Cafeteria/ Auditorium	29928941	502	Cladosporium (274) Mix tiny hyal, Asco & Basidiospores (137) Pigmented Asco & Basidiospores (46) Other Fungi (46)
2 nd floor hallway by room 20	29928949	914	Aspergillus/Penicillium (686) Mix tiny hyal, Asco & Basidiospores (137) Cladosporium (91)
Outdoors	29928374	29,000	Mix tiny hyal, Asco & Basidiospores (27,800) Pigmented Asco & Basidiospores (823) Cladosporium (274) Other Hyaline Fungi (91)

cts/m³= counts per cubic meter of air

**Table 1g: Airborne Mold Spore Testing Results
 Carroll Elementary School**

Location	Sample Number	Total Mold Spores (cts/m ³)	Predominant Mold Genera (cts/m ³)
Nurse's Office	29928943	Not Detected	None Detected
Main Entrance Office area	29928951	320	Cladosporium (274) Other Fungi (46)
3 rd floor hallway by room 310	29928945	Not Detected	None Detected
2 nd floor hallway outside media center	29928922	Not Detected	None Detected
Outdoors	29928374	29,000	Mix tiny hyal, Asco & Basidiospores (27,800) Pigmented Asco & Basidiospores (823) Cladosporium (274) Other Hyaline Fungi (91)

cts/m³= counts per cubic meter of air

**Table 1h: Airborne Mold Spore Testing Results
 Brown Elementary School**

Location	Sample Number	Total Mold Spores (cts/m ³)	Predominant Mold Genera (cts/m ³)
Nurse's Office	29928372	183	Mix tiny hyal, Asco & Basidiospores (91) Cladosporium (91)
2 nd floor hallway by room 202	29928364	91	Mix tiny hyal, Asco & Basidiospores (91)
3 rd floor hallway by room 305	29928359	91	Mix tiny hyal, Asco & Basidiospores (91)
Auditorium/Cafeteria	29928953	503	Cladosporium (503)
Outdoors	29928374	29,000	Mix tiny hyal, Asco & Basidiospores (27,800) Pigmented Asco & Basidiospores (823) Cladosporium (274) Other Hyaline Fungi (91)

cts/m³= counts per cubic meter of air

**Table 1i: Airborne Mold Spore Testing Results
 Higgins Middle School**

Location	Sample Number	Total Mold Spores (cts/m ³)	Predominant Mold Genera (cts/m ³)
Food Court	29928383	Not Detected	None Detected
Nurse's Office	29928352	229	Cladosporium (229)
2 nd floor outside library	29928373	Not Detected	None Detected
2 nd floor hallway by room 211	29928349	Not Detected	None Detected
3 rd floor hallway by room 327	29928361	Not Detected	None Detected
3 rd floor hallway by room 308	29928512	Not Detected	None Detected
Outdoors	29928374	29,000	Mix tiny hyal, Asco & Basidiospores (27,800) Pigmented Asco & Basidiospores (823) Cladosporium (274) Other Hyaline Fungi (91)

cts/m³= counts per cubic meter of air

**Table 1j: Airborne Mold Spore Testing Results
 Veterans Memorial High School**

Location	Sample Number	Total Mold Spores (cts/m ³)	Predominant Mold Genera (cts/m ³)
Nurse's Office	29928378	Not Detected	None Detected
Main Entrance/ Atrium	29928363	Not Detected	Cladosporium (229)
2 nd floor main street by room A236	29928392	457	Mix tiny hyal, Asco & Basidiospores (457)
2 nd floor hallway by library	29928390	Not Detected	None Detected
3 rd floor hallway by C House Guidance	29928369	1,100	Cladosporium (777) Mix tiny hyal, Asco & Basidiospores (320)
3 rd floor hallway by room B350	29928909	183	Mix tiny hyal, Asco & Basidiospores (137) Cladosporium (46)
Outdoors	29928374	29,000	Mix tiny hyal, Asco & Basidiospores (27,800) Pigmented Asco & Basidiospores (823) Cladosporium (274) Other Hyaline Fungi (91)

cts/m³= counts per cubic meter of air

Mold samples alone cannot be used to verify whether a space is safe or unsafe for human occupancy, However, results of air sampling, together with a thorough history of the building's water damage, information obtained from interviews with building occupants and field observations, can help the independent environmental professional develop an opinion on the extent of the mold and the appropriate remediation plan.

4.0 AIRBORNE DUST CHARACTERIZATION

Sampling and Analytical Methodology

The dust particles captured in the air samples collected for mold spore analysis were also characterized for dust by the laboratory. The analytical method for the analysis of the samples involved the identification of particulates using high magnification. The analytical results are depicted on the bottom portion of the attached EAA laboratory report.

Analytical Results

As shown in all tables below, the laboratory detected normal concentrations of airborne particulates in all samples.

**Table 2a: Airborne Dust Characterization Results
 Burke Elementary School**

Category	Nurse	Hall by rm 102	Cafe	Hall by rm 205	Out doors	Interpretation for Indoor Results (cts/m ³)
Pollen	13	ND	ND	ND	13	Less than 30 cts/m ³ is considered low for an indoor environment.
Skin cell fragments	3,380	640	731	2,650	366	Less than 6,000 cts/m ³ is considered low for an indoor environment. Concentrations up to 15,000 cts/m ³ are considered moderate for an indoor environment. 15,000 cts/m ³ to 30,000 cts/m ³ is considered high activity/low cleaning and greater than 30,000 cts/m ³ is significantly elevated.
Fiberglass fibers	ND	ND	ND	ND	ND	Less than 30 cts/m ³ is considered low for an indoor environment, 30 cts/m ³ to 90 cts/m ³ is considered moderate.
Cellulosic fibers	183	46	46	183	ND	Less than 1,000 cts/m ³ is considered normal for an indoor environment. Concentrations up to 1,800 cts/m ³ are considered moderate for an indoor environment. 1,800 cts/m ³ to 5,900 cts/m ³ is considered high activity/low cleaning and greater than 5,900 cts/m ³ is significantly elevated.
Opaque particles	274	183	91	640	274	Less than 4,000 cts/m ³ or less than outdoors is considered normal, 4,000 cts/m ³ to 8,000 cts/m ³ is moderate, 8,000 cts/m ³ to 13,000 cts/m ³ is "high - building shedding possible"
Soil/ Mineral Dust	1,550	183	274	183	1,100	Less than 4,000 cts/m ³ or less than outdoors is considered low, 9,000 cts/m ³ to 20,000 cts/m ³ is considered moderate.

ND = not detected

**Table 2b: Airborne Dust Characterization Results
 West Elementary School**

Category	Nurse	Gym	Hall by rm 16	Hall by rm 4	Out doors	Interpretation for Indoor Results (cts/m ³)
Pollen	13	ND	ND	ND	13	Less than 30 cts/m ³ is considered low for an indoor environment.
Skin cell fragments	1,830	183	91	2,290	366	Less than 6,000 cts/m ³ is considered low for an indoor environment. Concentrations up to 15,000 cts/m ³ are considered moderate for an indoor environment. 15,000 cts/m ³ to 30,000 cts/m ³ is considered high activity/low cleaning and greater than 30,000 cts/m ³ is significantly elevated.
Fiberglass fibers	ND	ND	ND	ND	ND	Less than 30 cts/m ³ is considered low for an indoor environment, 30 cts/m ³ to 90 cts/m ³ is considered moderate.
Cellulosic fibers	46	ND	ND	46	ND	Less than 1,000 cts/m ³ is considered normal for an indoor environment. Concentrations up to 1,800 cts/m ³ are considered moderate for an indoor environment. 1,800 cts/m ³ to 5,900 cts/m ³ is considered high activity/low cleaning and greater than 5,900 cts/m ³ is significantly elevated.
Opaque particles	366	183	46	183	274	Less than 4,000 cts/m ³ or less than outdoors is considered normal, 4,000 cts/m ³ to 8,000 cts/m ³ is moderate, 8,000 cts/m ³ to 13,000 cts/m ³ is "high - building shedding possible"
Soil/ Mineral Dust	1,100	274	274	1,190	1,100	Less than 4,000 cts/m ³ or less than outdoors is considered low, 9,000 cts/m ³ to 20,000 cts/m ³ is considered moderate.

ND = not detected

**Table 2c: Airborne Dust Characterization Results
 McCarthy Elementary School**

Category	Nurse	Cafe	Hall by rm 102	Hall by rm 205	Out doors	Interpretation for Indoor Results (cts/m ³)
Pollen	ND	ND	ND	ND	13	Less than 30 cts/m ³ is considered low for an indoor environment.
Skin cell fragments	914	91	823	549	366	Less than 6,000 cts/m ³ is considered low for an indoor environment. Concentrations up to 15,000 cts/m ³ are considered moderate for an indoor environment. 15,000 cts/m ³ to 30,000 cts/m ³ is considered high activity/low cleaning and greater than 30,000 cts/m ³ is significantly elevated.
Fiberglass fibers	ND	ND	ND	ND	ND	Less than 30 cts/m ³ is considered low for an indoor environment, 30 cts/m ³ to 90 cts/m ³ is considered moderate.
Cellulosic fibers	ND	ND	ND	91	ND	Less than 1,000 cts/m ³ is considered normal for an indoor environment. Concentrations up to 1,800 cts/m ³ are considered moderate for an indoor environment. 1,800 cts/m ³ to 5,900 cts/m ³ is considered high activity/low cleaning and greater than 5,900 cts/m ³ is significantly elevated.
Opaque particles	274	91	274	183	274	Less than 4,000 cts/m ³ or less than outdoors is considered normal, 4,000 cts/m ³ to 8,000 cts/m ³ is moderate, 8,000 cts/m ³ to 13,000 cts/m ³ is "high - building shedding possible"
Soil/ Mineral Dust	91	91	91	274	1,100	Less than 4,000 cts/m ³ or less than outdoors is considered low, 9,000 cts/m ³ to 20,000 cts/m ³ is considered moderate.

ND = not detected

**Table 2d: Airborne Dust Characterization Results
 Center Elementary School**

Category	Hall by rm 9	Cafe	Nurse	Hall by rm 202	Out doors	Interpretation for Indoor Results (cts/m ³)
Pollen	ND	ND	ND	ND	13	Less than 30 cts/m ³ is considered low for an indoor environment.
Skin cell fragments	5,580	914	1,010	1,740	366	Less than 6,000 cts/m ³ is considered low for an indoor environment. Concentrations up to 15,000 cts/m ³ are considered moderate for an indoor environment. 15,000 cts/m ³ to 30,000 cts/m ³ is considered high activity/low cleaning and greater than 30,000 cts/m ³ is significantly elevated.
Fiberglass fibers	ND	ND	ND	ND	ND	Less than 30 cts/m ³ is considered low for an indoor environment, 30 cts/m ³ to 90 cts/m ³ is considered moderate.
Cellulosic fibers	457	46	46	137	ND	Less than 1,000 cts/m ³ is considered normal for an indoor environment. Concentrations up to 1,800 cts/m ³ are considered moderate for an indoor environment. 1,800 cts/m ³ to 5,900 cts/m ³ is considered high activity/low cleaning and greater than 5,900 cts/m ³ is significantly elevated.
Opaque particles	2,380	366	731	274	274	Less than 4,000 cts/m ³ or less than outdoors is considered normal, 4,000 cts/m ³ to 8,000 cts/m ³ is moderate, 8,000 cts/m ³ to 13,000 cts/m ³ is "high - building shedding possible"
Soil/ Mineral Dust	2,560	914	731	1,280	1,100	Less than 4,000 cts/m ³ or less than outdoors is considered low, 9,000 cts/m ³ to 20,000 cts/m ³ is considered moderate.

ND = not detected

**Table 2e: Airborne Dust Characterization Results
 South Elementary School**

Category	Cafe	Hall by rm 202	Hall by rm 102	Nurse	Out doors	Interpretation for Indoor Results (cts/m ³)
Pollen	27	13	ND	ND	13	Less than 30 cts/m ³ is considered low for an indoor environment.
Skin cell fragments	3,200	823	549	823	366	Less than 6,000 cts/m ³ is considered low for an indoor environment. Concentrations up to 15,000 cts/m ³ are considered moderate for an indoor environment. 15,000 cts/m ³ to 30,000 cts/m ³ is considered high activity/low cleaning and greater than 30,000 cts/m ³ is significantly elevated.
Fiberglass fibers	ND	ND	ND	ND	ND	Less than 30 cts/m ³ is considered low for an indoor environment, 30 cts/m ³ to 90 cts/m ³ is considered moderate.
Cellulosic fibers	137	91	ND	46	ND	Less than 1,000 cts/m ³ is considered normal for an indoor environment. Concentrations up to 1,800 cts/m ³ are considered moderate for an indoor environment. 1,800 cts/m ³ to 5,900 cts/m ³ is considered high activity/low cleaning and greater than 5,900 cts/m ³ is significantly elevated.
Opaque particles	366	914	274	91	274	Less than 4,000 cts/m ³ or less than outdoors is considered normal, 4,000 cts/m ³ to 8,000 cts/m ³ is moderate, 8,000 cts/m ³ to 13,000 cts/m ³ is "high - building shedding possible"
Soil/ Mineral Dust	183	640	91	91	1,100	Less than 4,000 cts/m ³ or less than outdoors is considered low, 9,000 cts/m ³ to 20,000 cts/m ³ is considered moderate.

ND = not detected

**Table 2f: Airborne Dust Characterization Results
 Welch Elementary School**

Category	Nurse	Hall by rm 14	Cafe	Hall by rm 20	Out doors	Interpretation for Indoor Results (cts/m ³)
Pollen	ND	ND	ND	ND	13	Less than 30 cts/m ³ is considered low for an indoor environment.
Skin cell fragments	1,190	549	914	1,010	366	Less than 6,000 cts/m ³ is considered low for an indoor environment. Concentrations up to 15,000 cts/m ³ are considered moderate for an indoor environment. 15,000 cts/m ³ to 30,000 cts/m ³ is considered high activity/low cleaning and greater than 30,000 cts/m ³ is significantly elevated.
Fiberglass fibers	ND	ND	ND	ND	ND	Less than 30 cts/m ³ is considered low for an indoor environment, 30 cts/m ³ to 90 cts/m ³ is considered moderate.
Cellulosic fibers	91	46	46	46	ND	Less than 1,000 cts/m ³ is considered normal for an indoor environment. Concentrations up to 1,800 cts/m ³ are considered moderate for an indoor environment. 1,800 cts/m ³ to 5,900 cts/m ³ is considered high activity/low cleaning and greater than 5,900 cts/m ³ is significantly elevated.
Opaque particles	183	274	183	91	274	Less than 4,000 cts/m ³ or less than outdoors is considered normal, 4,000 cts/m ³ to 8,000 cts/m ³ is moderate, 8,000 cts/m ³ to 13,000 cts/m ³ is "high - building shedding possible"
Soil/ Mineral Dust	183	ND	457	274	1,100	Less than 4,000 cts/m ³ or less than outdoors is considered low, 9,000 cts/m ³ to 20,000 cts/m ³ is considered moderate.

ND = not detected

**Table 2g: Airborne Dust Characterization Results
 Carroll Elementary School**

Category	Nurse	Main Office Entry	Hall by rm 310	2 nd fl Hall by media ctr	Out doors	Interpretation for Indoor Results (cts/m ³)
Pollen	ND	ND	ND	ND	13	Less than 30 cts/m ³ is considered low for an indoor environment.
Skin cell fragments	1,370	3,290	1,100	457	366	Less than 6,000 cts/m ³ is considered low for an indoor environment. Concentrations up to 15,000 cts/m ³ are considered moderate for an indoor environment. 15,000 cts/m ³ to 30,000 cts/m ³ is considered high activity/low cleaning and greater than 30,000 cts/m ³ is significantly elevated.
Fiberglass fibers	ND	ND	ND	ND	ND	Less than 30 cts/m ³ is considered low for an indoor environment, 30 cts/m ³ to 90 cts/m ³ is considered moderate.
Cellulosic fibers	91	91	46	46	ND	Less than 1,000 cts/m ³ is considered normal for an indoor environment. Concentrations up to 1,800 cts/m ³ are considered moderate for an indoor environment. 1,800 cts/m ³ to 5,900 cts/m ³ is considered high activity/low cleaning and greater than 5,900 cts/m ³ is significantly elevated.
Opaque particles	46	4,940	1,100	46	274	Less than 4,000 cts/m ³ or less than outdoors is considered normal, 4,000 cts/m ³ to 8,000 cts/m ³ is moderate, 8,000 cts/m ³ to 13,000 cts/m ³ is "high - building shedding possible"
Soil/ Mineral Dust	823	7,500	91	46	1,100	Less than 4,000 cts/m ³ or less than outdoors is considered low, 9,000 cts/m ³ to 20,000 cts/m ³ is considered moderate.

ND = not detected

**Table 2h: Airborne Dust Characterization Results
 Brown Elementary School**

Category	Nurse	Hall by rm 202	Hall by rm 305	Cafe	Out doors	Interpretation for Indoor Results (cts/m ³)
Pollen	ND	ND	13	ND	13	Less than 30 cts/m ³ is considered low for an indoor environment.
Skin cell fragments	823	549	366	274	366	Less than 6,000 cts/m ³ is considered low for an indoor environment. Concentrations up to 15,000 cts/m ³ are considered moderate for an indoor environment. 15,000 cts/m ³ to 30,000 cts/m ³ is considered high activity/low cleaning and greater than 30,000 cts/m ³ is significantly elevated.
Fiberglass fibers	ND	ND	ND	ND	ND	Less than 30 cts/m ³ is considered low for an indoor environment, 30 cts/m ³ to 90 cts/m ³ is considered moderate.
Cellulosic fibers	91	ND	137	ND	ND	Less than 1,000 cts/m ³ is considered normal for an indoor environment. Concentrations up to 1,800 cts/m ³ are considered moderate for an indoor environment. 1,800 cts/m ³ to 5,900 cts/m ³ is considered high activity/low cleaning and greater than 5,900 cts/m ³ is significantly elevated.
Opaque particles	457	366	366	ND	274	Less than 4,000 cts/m ³ or less than outdoors is considered normal, 4,000 cts/m ³ to 8,000 cts/m ³ is moderate, 8,000 cts/m ³ to 13,000 cts/m ³ is "high - building shedding possible"
Soil/ Mineral Dust	183	549	91	91	1,100	Less than 4,000 cts/m ³ or less than outdoors is considered low, 9,000 cts/m ³ to 20,000 cts/m ³ is considered moderate.

ND = not detected

**Table 2i: Airborne Dust Characterization Results
 Higgins Middle School Part 1**

Category	Food Court	Nurse	2 nd floor hall by library	Out doors	Interpretation for Indoor Results (cts/m ³)
Pollen	ND	ND	ND	13	Less than 30 cts/m ³ is considered low for an indoor environment.
Skin cell fragments	137	914	2,740	366	Less than 6,000 cts/m ³ is considered low for an indoor environment. Concentrations up to 15,000 cts/m ³ are considered moderate for an indoor environment. 15,000 cts/m ³ to 30,000 cts/m ³ is considered high activity/low cleaning and greater than 30,000 cts/m ³ is significantly elevated.
Fiberglass fibers	ND	ND	ND	ND	Less than 30 cts/m ³ is considered low for an indoor environment, 30 cts/m ³ to 90 cts/m ³ is considered moderate.
Cellulosic fibers	46	ND	91	ND	Less than 1,000 cts/m ³ is considered normal for an indoor environment. Concentrations up to 1,800 cts/m ³ are considered moderate for an indoor environment. 1,800 cts/m ³ to 5,900 cts/m ³ is considered high activity/low cleaning and greater than 5,900 cts/m ³ is significantly elevated.
Opaque particles	46	91	274	274	Less than 4,000 cts/m ³ or less than outdoors is considered normal, 4,000 cts/m ³ to 8,000 cts/m ³ is moderate, 8,000 cts/m ³ to 13,000 cts/m ³ is "high - building shedding possible"
Soil/ Mineral Dust	46	183	2,190	1,100	Less than 4,000 cts/m ³ or less than outdoors is considered low, 9,000 cts/m ³ to 20,000 cts/m ³ is considered moderate.

ND = not detected

**Table 2j: Airborne Dust Characterization Results
 Higgins Middle School Part 2**

Category	2 nd floor hall by rm 211	3 rd floor hall by rm 327	3 rd floor hall by rm 308	Out doors	Interpretation for Indoor Results (cts/m ³)
Pollen	ND	ND	ND	13	Less than 30 cts/m ³ is considered low for an indoor environment.
Skin cell fragments	457	1,740	183	366	Less than 6,000 cts/m ³ is considered low for an indoor environment. Concentrations up to 15,000 cts/m ³ are considered moderate for an indoor environment. 15,000 cts/m ³ to 30,000 cts/m ³ is considered high activity/low cleaning and greater than 30,000 cts/m ³ is significantly elevated.
Fiberglass fibers	ND	ND	ND	ND	Less than 30 cts/m ³ is considered low for an indoor environment, 30 cts/m ³ to 90 cts/m ³ is considered moderate.
Cellulosic fibers	46	46	46	ND	Less than 1,000 cts/m ³ is considered normal for an indoor environment. Concentrations up to 1,800 cts/m ³ are considered moderate for an indoor environment. 1,800 cts/m ³ to 5,900 cts/m ³ is considered high activity/low cleaning and greater than 5,900 cts/m ³ is significantly elevated.
Opaque particles	274	366	914	274	Less than 4,000 cts/m ³ or less than outdoors is considered normal, 4,000 cts/m ³ to 8,000 cts/m ³ is moderate, 8,000 cts/m ³ to 13,000 cts/m ³ is "high - building shedding possible"
Soil/ Mineral Dust	46	366	46	1,100	Less than 4,000 cts/m ³ or less than outdoors is considered low, 9,000 cts/m ³ to 20,000 cts/m ³ is considered moderate.

ND = not detected

**Table 2k: Airborne Dust Characterization Results
 Veterans Memorial High School Part 1**

Category	Nurse	Main Entry/ Atrium	2 nd floor hall by A236	Out doors	Interpretation for Indoor Results (cts/m ³)
Pollen	ND	ND	ND	13	Less than 30 cts/m ³ is considered low for an indoor environment.
Skin cell fragments	274	914	1,010	366	Less than 6,000 cts/m ³ is considered low for an indoor environment. Concentrations up to 15,000 cts/m ³ are considered moderate for an indoor environment. 15,000 cts/m ³ to 30,000 cts/m ³ is considered high activity/low cleaning and greater than 30,000 cts/m ³ is significantly elevated.
Fiberglass fibers	ND	ND	ND	ND	Less than 30 cts/m ³ is considered low for an indoor environment, 30 cts/m ³ to 90 cts/m ³ is considered moderate.
Cellulosic fibers	46	46	46	ND	Less than 1,000 cts/m ³ is considered normal for an indoor environment. Concentrations up to 1,800 cts/m ³ are considered moderate for an indoor environment. 1,800 cts/m ³ to 5,900 cts/m ³ is considered high activity/low cleaning and greater than 5,900 cts/m ³ is significantly elevated.
Opaque particles	91	549	274	274	Less than 4,000 cts/m ³ or less than outdoors is considered normal, 4,000 cts/m ³ to 8,000 cts/m ³ is moderate, 8,000 cts/m ³ to 13,000 cts/m ³ is "high - building shedding possible"
Soil/ Mineral Dust	46	366	731	1,100	Less than 4,000 cts/m ³ or less than outdoors is considered low, 9,000 cts/m ³ to 20,000 cts/m ³ is considered moderate.

ND = not detected

**Table 21: Airborne Dust Characterization Results
 Veterans Memorial High School Part 2**

Category	2 nd floor hall by library	3 rd floor by C House Guidance	3 rd floor by B350	Out doors	Interpretation for Indoor Results (cts/m ³)
Pollen	ND	ND	ND	13	Less than 30 cts/m ³ is considered low for an indoor environment.
Skin cell fragments	1,550	274	366	366	Less than 6,000 cts/m ³ is considered low for an indoor environment. Concentrations up to 15,000 cts/m ³ are considered moderate for an indoor environment. 15,000 cts/m ³ to 30,000 cts/m ³ is considered high activity/low cleaning and greater than 30,000 cts/m ³ is significantly elevated.
Fiberglass fibers	ND	ND	ND	ND	Less than 30 cts/m ³ is considered low for an indoor environment, 30 cts/m ³ to 90 cts/m ³ is considered moderate.
Cellulosic fibers	ND	ND	ND	ND	Less than 1,000 cts/m ³ is considered normal for an indoor environment. Concentrations up to 1,800 cts/m ³ are considered moderate for an indoor environment. 1,800 cts/m ³ to 5,900 cts/m ³ is considered high activity/low cleaning and greater than 5,900 cts/m ³ is significantly elevated.
Opaque particles	91	91	229	274	Less than 4,000 cts/m ³ or less than outdoors is considered normal, 4,000 cts/m ³ to 8,000 cts/m ³ is moderate, 8,000 cts/m ³ to 13,000 cts/m ³ is "high - building shedding possible"
Soil/ Mineral Dust	274	46	137	1,100	Less than 4,000 cts/m ³ or less than outdoors is considered low, 9,000 cts/m ³ to 20,000 cts/m ³ is considered moderate.

ND = not detected

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the inspections and the laboratory results, OHI concludes that airborne mold spores and particulate levels are within normal ranges in all locations sampled. OccuHealth has no recommendations to offer at this time.

6.0 LIMITATIONS

The contents of this report are based on OccuHealth, Inc.'s best professional judgement, comparison of collected data with established industry guidelines, and information obtained from our client.

Chain-of-Custody and Analytical Request Form

20 - 0966

EAA
 306 5th Street, Suite 400
 Bay City, MI 48708
 (989) 895-4447

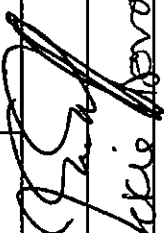
Email results to:
 results@occuhealth.com

Client: OccuHealth, Inc.
 44 Wood Avenue
 Mansfield, MA 02048

Date Sampled: 8/17/2020
 508-339-9119 voice
 508-339-2893 fax

Project ID: City of Peabody, Burke Elementary School
 P.O.#: 12520
Date Submitted: 8/17/2020

Sample #	Sample Type: air, wipe, bulk, dust	Sample Volume Liters	Sample Location	Analysis Requested	Special Instructions & Comments
1 29928969	Air	75	Nurse's Office	Dust Characterization	
2 29928967	Air	75	1 st floor hallway by rooms 102,103	Dust Characterization	
3 29928387	Air	75	Auditorium/Cafeteria	Dust Characterization	
4 29928370	Air	75	2 nd floor hallway by room 205	Dust Characterization	
	Air	75	Outdoors (Duplicate)	Dust Characterization	

Submitted By: (Sign)  Contact Person: Jay McNeff
 Received by: (Sign) Jackie Sova (print) Jackie Sova Date & Time Received: 8/18/20 10:20
 (For lab use only) Samples processed by: Jackie Sova Date: 8/18/20



AIRBORNE MOLD AND DUST ANALYSIS

EAA Method #: DUST-A01

page 1 of 7

Client Name : OccuHealth, Inc.
 Client Project # : 12520
 Requested by : Jay McNeff
 EAA Project#: 20-0966

Project description : City of Peabody, Burke Elem. School
 Date collected : 8/17/20
 Sample received : 8/18/20

Sample condition : Acceptable as received

Client Sample#	Sample Description / Location	* General Comments - Dust and Mold Spore Levels				
29928969	Nurse's Office	Typical dust	Atypical outdoor mold spores			
29928967	1st floor hallway by rooms 102, 103	Typical dust	Elevated outdoor mold spores			
29928387	Auditorium / Cafeteria	Typical dust	Atypical outdoor mold spores			
29928370	2nd floor hallway by room 205	Typical dust	Atypical outdoor mold spores			
29928374	Outdoors (Duplicate)	Typical dust	Elevated outdoor mold spores			
AIRBORNE MOLD SPORE CONCENTRATIONS (Cts./m ³) -- Spore Trap Sample Analysis High mag. used 500X						
Category	Sample # -->	29928969	29928967	29928387	29928370	29928374
Total Mold Spores (Cts/m³)		3890	10300	2100	4040	29000
Alternaria						
Aspergillus/Penicillium						
Pigmented Asco & Basidio		137			91	823
Mix tiny, hyal Asco & Basidio		3750	10200	2100	3930	27800
Botrytis						
Chaetomium						
Cladosporium			91			274
Curvularia						
Drechslera/Bipolaris						
Epicoccum						
Fusicladium-like						
Nigrospora						
Oidium/Peronospora						
Pithomyces					14	
Rusts						
Smuts / Myxomycetes / Periconia						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Other Hyaline Fungi						91
Other Fungi						
Unidentified Fungi						
Hyphae fragments			46			
Algal / fern spores						
Insect parts						
POLLEN (Total cts/m³)		13	not detected	not detected	not detected	13
Not specified		13				
Pinus						13
COMMON AEROSOLS (cts/m ³)						
Skin cell fragments		3380	640	731	2650	366
Fiberglass fibers						
Cellulosic / synthetic fibers		183	46	46	183	
Unidentified opaque		274	183	91	640	274
Mineral / clay soil dust		1550	183	274	183	1100
OTHER PARTICLES (cts/m³)		not detected	not detected	not detected	not detected	not detected
Statistical Parameters						
Vol. analyzed (m ³)-high mag - 500x :		0.022	0.022	0.022	0.022	0.022
Detect limit(Cts/m ³)-high magnification:		45.7	45.7	45.7	45.7	45.7
% sample analyzed-high magnification:		29%	29%	29%	29%	29%
Vol. analyzed(m ³)/entire sple 150-300x:		0.075	0.075	0.075	0.075	0.075
* Detection limit (Cts/m ³)/entire sple:		13.3	13.3	13.3	13.3	13.3
* Note: The "entire sample" detection limit applies to the "large" particle categories analyzed during the low magnification examination of the entire sample						
Sample flow rate (lpm):		15.0	15.0	15.0	15.0	15.0
Sample trace length (mm):		14.40	14.40	14.40	14.40	14.40
Microscope field diameter (mm):		0.420	0.420	0.420	0.420	0.420

Note: Sample results are only applicable to the items or locations tested. Sample descriptions and volumetric data are provided by the client.

doc.rev.2020-19.1 4/10/20

* See the AIR PROFILE™ Interpretation Guidelines for the appropriate application of the exposure classification definitions of Typical, Atypical, and Elevated.

Raw/extrapolated counts are given on the last page of this report as a requirement of the AIHA-LAP accreditation program. Authorized / data reviewed by: Joseph R. Heintskill
 Analyst : err

Report date: 8/19/20
 Date analyzed: 8/18/20

Chain-of-Custody and Analytical Request Form 20 - 0964

EAA

306 5th Street, Suite 400
 Bay City, MI 48708
 (989) 895-4447

Email results to:
 results@occuhealth.com

Client: OccuHealth, Inc.
 44 Wood Avenue
 Mansfield, MA 02048


Date Sampled: 8/17/2020
 508-339-9119 voice
 508-339-2893 fax

Project ID: City of Peabody, West Elementary School
 P.O.#: 12520
 Date Submitted: 8/17/2020

Sample #	Sample Type: air, wipe, bulk, dust	Sample Volume Liters	Sample Location	Analysis Requested	Special Instructions & Comments
1 29928362	Air	75	Nurse's Office	Dust Characterization	
2 29928379	Air	75	Gymnasium	Dust Characterization	
3 29928380	Air	75	Hallway by room 16	Dust Characterization	
4 29928521	Air	75	Hallway by room 4	Dust Characterization	
5 29928374	Air	75	Outdoors (Duplicate)	Dust Characterization	

Submitted By: (Sign) 

Contact Person: Jay McNeff

Received by: (Sign) 

(print) Lisa Hanks

Date & Time Received: 8/18/20 10:20

(For lab use only) Samples processed by: 

Date: 8/18/20



AIRBORNE MOLD AND DUST ANALYSIS

EAA Method #: DUST-A01

Client Name : OccuHealth, Inc.

page 1 of 7

Client Project #: 12520

Project description : City of Peabody, West Elementary School

Requested by : Jay McNeff

Date collected : 8/17/20

Sample condition : Acceptable as received

EAA Project#: 20-0964

Sample received : 8/18/20

Client Sample#	Sample Description / Location	* General Comments - Dust and Mold Spore Levels				
2992 8362	Nurse's Office	Typical dust	Atypical outdoor mold spores			
2992 8379	Gymnasium	Typical dust	Atypical outdoor mold spores			
2992 8380	Hallway by room 16	Typical dust	Typical mold spores			
2992 8521	Hallway by room 4	Typical dust	Atypical outdoor mold spores			
2992 8374	Outdoors (Duplicate)	Typical dust	Elevated outdoor mold spores			
AIRBORNE MOLD SPORE CONCENTRATIONS (Cts./m ³) -- Spore Trap Sample Analysis High mag. used 500X						
Category	Sample # -->	2992 8362	2992 8379	2992 8380	2992 8521	2992 8374
Total Mold Spores (Cts/m³)		3750	1510	1230	5260	29000
Alternaria						
Aspergillus/Penicillium						
Pigmented Asco & Basidio			46		320	823
Mix tiny, hyal Asco & Basidio		3750	1460	1230	4850	27800
Botrytis						
Chaetomium						
Cladosporium					91	274
Curvularia						
Drechslera/Bipolaris						
Epicoccum						
Fusicladium-like						
Nigrospora						
Oidium/Peronospora						
Pithomyces						
Rusts						
Smuts / Myxomycetes / Periconia						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Other Hyaline Fungi						91
Other Fungi						
Unidentified Fungi						
Hyphae fragments						
Algal / fern spores						
Insect parts						
POLLEN (Total cts/m³)		13	not detected	not detected	not detected	13
Not specified						
Pinus		13				13
COMMON AEROSOLS (cts/m³)						
Skin cell fragments		1830	183	91	2290	366
Fiberglass fibers						
Cellulosic / synthetic fibers		46			46	
Unidentified opaque		366	183	46	183	274
Mineral / clay soil dust		1100	274	274	1190	1100
OTHER PARTICLES (cts/m³)		not detected	not detected	not detected	not detected	not detected
Statistical Parameters						
Vol. analyzed (m ³)-high mag - 500x :		0.022	0.022	0.022	0.022	0.022
Detect limit(Cts/m ³)-high magnification:		45.7	45.7	45.7	45.7	45.7
% sample analyzed-high magnification:		29%	29%	29%	29%	29%
Vol. analyzed(m ³)/entire sple 150-300x:		0.075	0.075	0.075	0.075	0.075
* Detection limit (Cts/m ³)/entire sple:		13.3	13.3	13.3	13.3	13.3
* Note: The "entire sample" detection limit applies to the "large" particle categories analyzed during the low magnification examination of the entire sample						
Sample flow rate (lpm):		15.0	15.0	15.0	15.0	15.0
Sample trace length (mm):		14.40	14.40	14.40	14.40	14.40
Microscope field diameter (mm):		0.420	0.420	0.420	0.420	0.420

Note: Sample results are only applicable to the items or locations tested. Sample descriptions and volumetric data are provided by the client. doc.rev.2020-19.1 4/10/20

* See the AIR PROFILE™ Interpretation Guidelines for the appropriate application of the exposure classification definitions of Typical, Atypical, and Elevated.

Raw/extrapolated counts are given on the last page of this report as a requirement of the AIHA-LAP accreditation program. Authorized / data reviewed by: Joseph R. Heintzkill

Report date: 8/19/20

Analyst: jfs

Date analyzed: 8/18/20

Chain-of-Custody and Analytical Request Form

20 - 0974

EAA

306 5th Street, Suite 400
 Bay City, MI 48708
 (989) 895-4447

Email results to:
 results@occuhealth.com

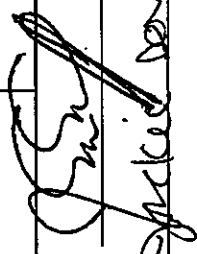
Client: OccuHealth, Inc.
 44 Wood Avenue
 Mansfield, MA 02048

Date Sampled: 8/17/2020
 508-339-9119 voice
 508-339-2893 fax

Project ID: City of Peabody, McCarthy Elementary School
 P.O.#: 12520
Date Submitted: 8/17/2020

Sample #	Sample Type: air, wipe, bulk, dust	Sample Volume Liters	Sample Location	Analysis Requested	Special Instructions & Comments
29928375	Air	75	Nurse's Office	Dust Characterization	
29928382	Air	75	Auditorium/Cafeteria	Dust Characterization	
29928371	Air	75	1 st floor hallway by room 102, 103	Dust Characterization	
29928377	Air	75	2 nd floor hallway by room 205	Dust Characterization	
29928374	Air	75	Outdoors (Duplicate)	Dust Characterization	

1
2
3
4



Submitted By: (Sign) _____

Contact Person: Jay McNeff

Received by: (Sign) Jackie Sava (print) Jackie Sava Date & Time Received: 8/18/20 10:20

(For lab use only) Samples processed by: Jackie Sava Date: 8/18/20



AIRBORNE MOLD AND DUST ANALYSIS

EAA Method #: DUST-A01

page 1 of 7

Client Name : OccuHealth, Inc.
 Client Project # : 12520
 Requested by : Jay McNeff
 EAA Project# : 20-0974

Project description : City of Peabody, McCarthy Elem. School
 Date collected : 8/17/20
 Sample received : 8/18/20

Sample condition : Acceptable as received

Client Sample#	Sample Description / Location	* General Comments - Dust and Mold Spore Levels				
29928375	Nurse's Office	Typical dust	Typical mold spores			
29928382	Auditorium / Cafeteria	Typical dust	Atypical outdoor mold spores			
29928371	1st floor hallway by room 102, 103	Typical dust	Atypical outdoor mold spores			
29928377	2nd floor hallway by room 205	Typical dust	Elevated outdoor mold spores			
29928374	Outdoors (Duplicate)	Typical dust	Elevated outdoor mold spores			
AIRBORNE MOLD SPORE CONCENTRATIONS (Cts./m ³) -- Spore Trap Sample Analysis High mag. used 500X						
Category	Sample # -->	29928375	29928382	29928371	29928377	29928374
Total Mold Spores (Cts/m³)		411	3610	6720	8050	29000
Alternaria						
Aspergillus/Penicillium						
Pigmented Asco & Basidio				137		823
Mix tiny, hyal Asco & Basidio	320	3610	6490	8050		27800
Botrytis						
Chaetomium						
Cladosporium	91		91			274
Curvularia						
Drechslera/Bipolaris						
Epicoccum						
Fusicladium-like						
Nigrospora						
Oidium/Peronospora						
Pithomyces						
Rusts						
Smuts / Myxomycetes / Periconia						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Other Hyaline Fungi						91
Other Fungi						
Unidentified Fungi						
Hyphae fragments						
Algal / fern spores						
Insect parts						
POLLEN (Total cts/m³)		not detected	not detected	not detected	not detected	13
Not specified						
Pinus						13
COMMON AEROSOLS (cts/m³)						
Skin cell fragments	914	91	823	549		366
Fiberglass fibers						
Cellulosic / synthetic fibers				91		
Unidentified opaque	274	91	274	183		274
Mineral / clay soil dust	91	91	91	274		1100
OTHER PARTICLES (cts/m³)	not detected	not detected	not detected	not detected	not detected	not detected
Statistical Parameters						
Vol. analyzed (m ³)-high mag - 500x :	0.022	0.022	0.022	0.022	0.022	0.022
Detect limit(Cts/m ³)-high magnification:	45.7	45.7	45.7	45.7	45.7	45.7
% sample analyzed-high magnification:	29%	29%	29%	29%	29%	29%
Vol. analyzed(m ³)entire sple 150-300x:	0.075	0.075	0.075	0.075	0.075	0.075
* Detection limit (Cts/m ³)entire sple:	13.3	13.3	13.3	13.3	13.3	13.3
* Note: The "entire sample" detection limit applies to the "large" particle categories analyzed during the low magnification examination of the entire sample						
Sample flow rate (lpm):	15.0	15.0	15.0	15.0	15.0	15.0
Sample trace length (mm):	14.40	14.40	14.40	14.40	14.40	14.40
Microscope field diameter (mm):	0.420	0.420	0.420	0.420	0.420	0.420

Note: Sample results are only applicable to the items or locations tested. Sample descriptions and volumetric data are provided by the client. doc.rev.2020-19.1 4/10/20

* See the AIR PROFILE™ Interpretation Guidelines for the appropriate application of the exposure classification definitions of Typical, Atypical, and Elevated.

Raw/extrapolated counts are given on the last page of this report as a requirement of the AIHA-LAP accreditation program. Authorized / data reviewed by: Joseph R. Heintskill Report date: 8/19/20
 Analyst: err Date analyzed: 8/18/20

Chain-of-Custody and Analytical Request Form 20-0972

EAA
 306 5th Street, Suite 400
 Bay City, MI 48708
 (989) 895-4447

Email results to:
 results@occuhealth.com


Client: OccuHealth, Inc.
 44 Wood Avenue
 Mansfield, MA 02048


Date Sampled: 8/17/2020
 508-339-9119 voice
 508-339-2893 fax

Project ID: City of Peabody, Center Elementary School
 P.O.#: 12520
Date Submitted: 8/17/2020

Sample #	Sample Type: air, wipe, bulk, dust	Sample Volume Liters	Sample Location	Analysis Requested	Special Instructions & Comments
29928365	Air	75	Hallway by room 9	Dust Characterization	
29928401	Air	75	Auditorium/Cafeteria	Dust Characterization	
29928435	Air	75	Nurse's Office	Dust Characterization	
29928376	Air	75	2 nd floor Hallway by room 202	Dust Characterization	
29928374	Air	75	Outdoors (Duplicate)	Dust Characterization	

- 1
- 2
- 3
- 4

Submitted By: (Sign) 

Received by: (Sign)  (print) Jackie Seva **Date:** 8/18/20

(For lab use only) Samples processed by: Jackie Seva **Date:** 8/18/20

Contact Person: Jay McNeff
Date & Time Received: 8/18/20 10:20



AIRBORNE MOLD AND DUST ANALYSIS

EAA Method #: DUST-A01

page 1 of 7

Client Name : OccuHealth, Inc.
 Client Project # : 12520
 Requested by : Jay McNeff
 EAA Project# : 20-0972

Project description : City of Peabody, Center Elem. School
 Date collected : 8/17/20
 Sample received : 8/18/20

Sample condition : Acceptable as received

Client Sample#	Sample Description / Location		* General Comments - Dust and Mold Spore Levels			
29928365	Hallway by room 9		Typical dust	Atypical outdoor mold spores		
29928401	Auditorium / Cafeteria		Typical dust	Atypical outdoor mold spores		
29928435	Nurse's Office		Typical dust	Atypical outdoor mold spores		
29928376	2nd floor Hallway by room 202		Typical dust	Atypical outdoor mold spores		
29928374	Outdoors (Duplicate)		Typical dust	Elevated outdoor mold spores		
AIRBORNE MOLD SPORE CONCENTRATIONS (Cts./m ³) -- Spore Trap Sample Analysis High mag. used 500X						
Category	Sample # -->	29928365	29928401	29928435	29928376	29928374
Total Mold Spores (Cts/m³)		3380	2050	2470	1600	29000
Alternaria						
Aspergillus/Penicillium		137				
Pigmented Asco & Basidio		274	137	229	274	823
Mix tiny, hyal Asco & Basidio		2470	1780	1690	1010	27800
Botrytis						
Chaetomium						
Cladosporium		411	137	503	320	274
Curvularia						
Drechslera/Bipolaris						
Epicoccum						
Fusicladium-like						
Nigrospora						
Oidium/Peronospora						
Pithomyces		46				
Rusts						
Smuts / Myxomycetes / Periconia						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Other Hyaline Fungi		46		46		91
Other Fungi						
Unidentified Fungi						
Hyphae fragments						
Algal / fern spores						
Insect parts						
POLLEN (Total cts/m³)		not detected	not detected	not detected	not detected	13
Not specified						
Pinus						13
COMMON AEROSOLS (cts/m³)						
Skin cell fragments		5580	914	1010	1740	366
Fiberglass fibers						
Cellulosic / synthetic fibers		457	46	46	137	
Unidentified opaque		2380	366	731	274	274
Mineral / clay soil dust		2560	914	731	1280	1100
OTHER PARTICLES (cts/m³)		not detected	not detected	not detected	not detected	not detected
Statistical Parameters						
Vol. analyzed (m ³)-high mag - 500x :		0.022	0.022	0.022	0.022	0.022
Detect limit(Cts/m ³)-high magnification:		45.7	45.7	45.7	45.7	45.7
% sample analyzed-high magnification:		29%	29%	29%	29%	29%
Vol. analyzed(m ³)entire sple 150-300x:		0.075	0.075	0.075	0.075	0.075
* Detection limit (Cts/m ³)entire sple:		13.3	13.3	13.3	13.3	13.3
* Note: The "entire sample" detection limit applies to the "large" particle categories analyzed during the low magnification examination of the entire sample						
Sample flow rate (lpm):		15.0	15.0	15.0	15.0	15.0
Sample trace length (mm):		14.40	14.40	14.40	14.40	14.40
Microscope field diameter (mm):		0.420	0.420	0.420	0.420	0.420

Note: Sample results are only applicable to the items or locations tested. Sample descriptions and volumetric data are provided by the client.

doc.rev.2020-19.1 4/10/20

* See the AIR PROFILE™ Interpretation Guidelines for the appropriate application of the exposure classification definitions of Typical, Atypical, and Elevated.

Raw/extrapolated counts are given on the last page of this report as a requirement of the AIHA-LAP accreditation program. Authorized / data reviewed by: Joseph R. Heintskill

Report date: 8/19/20

Analyst: jls

Date analyzed: 8/18/20

Chain-of-Custody and Analytical Request Form

20 - 0971

EAA

306 5th Street, Suite 400
 Bay City, MI 48708
 (989) 895-4447

Email results to:
 results@occuhealth.com

Client: OccuHealth, Inc.
 44 Wood Avenue
 Mansfield, MA 02048

Date Sampled: 8/17/2020
 508-339-9119 voice
 508-339-2893 fax

Project ID: City of Peabody, South Elementary School
 P.O.#: 12520
Date Submitted: 8/17/2020

Sample #	Sample Type: air, wipe, bulk, dust	Sample Volume Liters	Sample Location	Analysis Requested	Special Instructions & Comments
1 29928353	Air	75	Cafeteria (Basement)	Dust Characterization	
2 29928367	Air	75	2 nd floor hallway by room 202	Dust Characterization	
3 29928354	Air	75	1 st floor hallway by room 102	Dust Characterization	
4 29928333	Air	75	Nurse's Office	Dust Characterization	
	Air	75	Outdoors (Duplicate)	Dust Characterization	

Submitted By: (Sign)  Contact Person: Jay McNeff
 Received by: (Sign)  (print) David Hunkeler Date & Time Received: 8/18/20 10:20 Am

(For lab use only) Samples processed by:  Date: 8/18/20



AIRBORNE MOLD AND DUST ANALYSIS

EAA Method #: DUST-A01

page 1 of 7

Client Name : OccuHealth, Inc.
 Client Project # : 12520
 Requested by : Jay McNeff
 EAA Project# : 20-0971

Project description : City of Peabody, South Elem. School
 Date collected : 8/17/20
 Sample received : 8/18/20

Sample condition : Acceptable as received

Client Sample#	Sample Description / Location	* General Comments - Dust and Mold Spore Levels				
29928353	Cafeteria (Basement)	Typical dust	Typical mold spores			
29928367	2nd floor hallway by room 202	Typical dust	Typical mold spores			
29928354	1st floor hallway by room 102	Typical dust	Typical mold spores			
29928533	Nurse's Office	Typical dust	Typical mold spores			
29928374	Outdoors (Duplicate)	Typical dust	Elevated outdoor mold spores			
AIRBORNE MOLD SPORE CONCENTRATIONS (Cts./m ³) -- Spore Trap Sample Analysis High mag. used 500X						
Category	Sample # -->	29928353	29928367	29928354	29928533	29928374
Total Mold Spores (Cts/m³)		686	320	91	503	29000
Alternaria						
Aspergillus/Penicillium						
Pigmented Asco & Basidio	46					823
Mix tiny, hyal Asco & Basidio	549	274	91	503		27800
Botrytis						
Chaetomium						
Cladosporium	91					274
Curvularia						
Drechstera/Bipolaris						
Epicoccum						
Fusicladium-like						
Nigrospora						
Oidium/Peronospora						
Pithomyces						
Rusts						
Smuts / Myxomycetes / Periconia						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Other Hyaline Fungi			46			91
Other Fungi						
Unidentified Fungi						
Hyphae fragments						
Algal / fern spores						
Insect parts						
POLLEN (Total cts/m³)		27	13	not detected	not detected	13
Not specified	27	13				
Pinus						13
COMMON AEROSOLS (cts/m3)						
Skin cell fragments	3200	823	549	823	366	
Fiberglass fibers						
Cellulosic / synthetic fibers	137	91		46		
Unidentified opaque	366	914	274	91	274	
Mineral / clay soil dust	183	640	91	91	1100	
OTHER PARTICLES (cts/m3)	not detected	not detected	not detected	not detected	not detected	not detected
Statistical Parameters						
Vol. analyzed (m3)-high mag - 500x :	0.022	0.022	0.022	0.022	0.022	0.022
Detect limit(Cts/m ³)-high magnification:	45.7	45.7	45.7	45.7	45.7	45.7
% sample analyzed-high magnification:	29%	29%	29%	29%	29%	29%
Vol. analyzed(m ³)entire sple 150-300x:	0.075	0.075	0.075	0.075	0.075	0.075
* Detection limit (Cts/m ³)entire sple:	13.3	13.3	13.3	13.3	13.3	13.3
* Note: The "entire sample" detection limit applies to the "large" particle categories analyzed during the low magnification examination of the entire sample						
Sample flow rate (lpm):	15.0	15.0	15.0	15.0	15.0	15.0
Sample trace length (mm):	14.40	14.40	14.40	14.40	14.40	14.40
Microscope field diameter (mm):	0.420	0.420	0.420	0.420	0.420	0.420

Note: Sample results are only applicable to the items or locations tested. Sample descriptions and volumetric data are provided by the client. doc.rev.2020-19.1 4/10/20

* See the AIR PROFILE™ Interpretation Guidelines for the appropriate application of the exposure classification definitions of Typical, Atypical, and Elevated.

Raw/extrapolated counts are given on the last page of this report as a requirement of the AIHA-LAP accreditation program. Authorized / data reviewed by: Joseph R. Heintzkill
 Analyst: err

Report date: 8/19/20
 Date analyzed: 8/18/20

20 - 0970

Chain-of-Custody and Analytical Request Form

EAA

306 5th Street, Suite 400
Bay City, MI 48708
(989) 895-4447

Email results to:
results@occuhealth.com

Client: OccuHealth, Inc.
44 Wood Avenue
Mansfield, MA 02048

Date Sampled: 8/17/2020
508-339-9119 voice
508-339-2893 fax

Project ID: City of Peabody, Welch Elementary School
P.O.#: 12520
Date Submitted: 8/17/2020

Sample #	Sample Type: air, wipe, bulk, dust	Sample Volume Liters	Sample Location	Analysis Requested	Special Instructions & Comments
29928513	Air	75	Nurse's Office	Dust Characterization	
29928957	Air	75	1 st floor hallway by rooms 14, 15	Dust Characterization	
29928941	Air	75	Cafeteria/Auditorium	Dust Characterization	
29928949	Air	75	2 nd floor hallway by room 20	Dust Characterization	
29928374	Air	75	Outdoors (Duplicate)	Dust Characterization	

1
2
3
4

Submitted By: (Sign)  Contact Person: Jay McNeff

Received by: (Sign)  (print) JACKIE SAVA Date & Time Received: 8/18/20 10:20

(For lab use only) Samples processed by:  Date: 8/18/20



AIRBORNE MOLD AND DUST ANALYSIS

EAA Method #: DUST-A01

page 1 of 7

Client Name : OccuHealth, Inc.

Client Project # : 12520

Requested by : Jay McNeff

EAA Project# : 20-0970

Project description : City of Peabody, Welch Elem. School

Date collected : 8/17/20

Sample received : 8/18/20

Sample condition : Acceptable as received

Client Sample#	Sample Description / Location	* General Comments - Dust and Mold Spore Levels				
29928513	Nurse's Office	Typical dust	No mold spores detected			
29928957	1st floor hallway by rooms 14, 15	Typical dust	Typical mold spores			
29928941	Cafeteria / Auditorium	Typical dust	Typical mold spores			
29928949	2nd floor hallway by room 20	Typical dust	Typical mold spores			
29928374	Outdoors (Duplicate)	Typical dust	Elevated outdoor mold spores			
AIRBORNE MOLD SPORE CONCENTRATIONS (Cts./m ³) -- Spore Trap Sample Analysis High mag. used 500X						
Category	Sample # -->	29928513	29928957	29928941	29928949	29928374
Total Mold Spores (Cts/m³)		not detected	151	502	914	29000
Alternaria						
Aspergillus/Penicillium					686	
Pigmented Asco & Basidio			46	46		823
Mix tiny, hyal Asco & Basidio			91	137	137	27800
Botrytis						
Chaetomium						
Cladosporium				274	91	274
Curvularia						
Drechstera/Bipolaris						
Epicoccum						
Fusicladium-like						
Nigrospora						
Oidium/Peronospora						
Pithomyces						
Rusts						
Smuts / Myxomycetes / Periconia						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Other Hyaline Fungi						91
Other Fungi			14	46		
Unidentified Fungi						
Hyphae fragments						
Algal / fern spores						
Insect parts						
POLLEN (Total cts/m³)		not detected	not detected	not detected	not detected	13
Not specified						
Pinus						13
COMMON AEROSOLS (cts/m³)						
Skin cell fragments		1190	549	914	1010	366
Fiberglass fibers						
Cellulosic / synthetic fibers		91	46	46	46	
Unidentified opaque		183	274	183	91	274
Mineral / clay soil dust		183		457	274	1100
OTHER PARTICLES (cts/m³)		not detected	not detected	not detected	not detected	not detected
Statistical Parameters						
Vol. analyzed (m ³)-high mag - 500x :		0.022	0.022	0.022	0.022	0.022
Detect limit(Cts/m ³)-high magnification:		45.7	45.7	45.7	45.7	45.7
% sample analyzed-high magnification:		29%	29%	29%	29%	29%
Vol. analyzed(m ³)entire sple 150-300x:		0.075	0.075	0.075	0.075	0.075
* Detection limit (Cts/m ³)entire sple:		13.3	13.3	13.3	13.3	13.3
* Note: The "entire sample" detection limit applies to the "large" particle categories analyzed during the low magnification examination of the entire sample						
Sample flow rate (lpm):		15.0	15.0	15.0	15.0	15.0
Sample trace length (mm):		14.40	14.40	14.40	14.40	14.40
Microscope field diameter (mm):		0.420	0.420	0.420	0.420	0.420

Note: Sample results are only applicable to the items or locations tested. Sample descriptions and volumetric data are provided by the client.

doc.rev.2020-19.1 4/10/20

* See the AIR PROFILE™ Interpretation Guidelines for the appropriate application of the exposure classification definitions of Typical, Atypical, and Elevated.

Raw/extrapolated counts are given on the last page of this report as a requirement of the AIHA-LAP accreditation program

Authorized / data reviewed by: Joseph R. Heintskill

Report date: 8/19/20

Analyst: err

Date analyzed: 8/18/20

Chain-of-Custody and Analytical Request Form

20 - 0968

EAA

306 5th Street, Suite 400
 Bay City, MI 48708
 (989) 895-4447


Email results to:
 results@occuhealth.com


Client: OccuHealth, Inc.
 44 Wood Avenue
 Mansfield, MA 02048

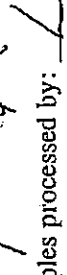
Date Sampled: 8/17/2020
 508-339-9119 voice
 508-339-2893 fax

Project ID: City of Peabody, Carroll Elementary School
P.O.#: 12520
Date Submitted: 8/17/2020

Sample #	Sample Type: air, wipe, bulk, dust	Sample Volume Liters	Sample Location	Analysis Requested	Special Instructions & Comments
1 29928943	Air	75	Nurse's Office	Dust Characterization	
2 29928951	Air	75	Main Entrance Office	Dust Characterization	
3 29928945	Air	75	3 rd floor hallway by room 310	Dust Characterization	
4 29928922	Air	75	2 nd floor hallway outside media center	Dust Characterization	
29928374	Air	75	Outdoors (Duplicate)	Dust Characterization	

Submitted By: (Sign)  Contact Person: Jay McNeff

Received by: (Sign)  (print) David Humbert / Date & Time Received: 8/18/20 10:20

(For lab use only) Samples processed by:  Date: 8/19/20



AIRBORNE MOLD AND DUST ANALYSIS

EAA Method #: DUST-A01

page 1 of 7

Client Name : OccuHealth, Inc.

Client Project # : 12520

Requested by : Jay McNeff

EAA Project# : 20-0968

Project description : City of Peabody, Carroll Elem. School

Date collected : 8/17/20

Sample received : 8/18/20

Sample condition : Acceptable as received

Client Sample#	Sample Description / Location	* General Comments - Dust and Mold Spore Levels				
29928943	Nurse's Office	Typical dust	No mold spores detected			
29928951	Main Entrance Office	Typical dust	Typical mold spores			
29928945	3rd floor hallway by room 310	Typical dust	No mold spores detected			
29928922	2nd floor hallway outside media center	Typical dust	No mold spores detected			
29928374	Outdoors (Duplicate)	Typical dust	Elevated outdoor mold spores			
AIRBORNE MOLD SPORE CONCENTRATIONS (Cts./m ³) -- Spore Trap Sample Analysis High mag. used 500X						
Category	Sample # -->	29928943	29928951	29928945	29928922	29928374
Total Mold Spores (Cts/m³)		not detected	320	not detected	not detected	29000
Alternaria						
Aspergillus/Penicillium						
Pigmented Asco & Basidio						823
Mix tiny, hyal Asco & Basidio						27800
Botrytis						
Chaetomium						
Cladosporium			274			274
Curvularia						
Drechslera/Bipolaris						
Epicoccum						
Fusicladium-like						
Nigrospora						
Oidium/Peronospora						
Pithomyces						
Rusts						
Smuts / Myxomycetes / Periconia						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Other Hyaline Fungi						91
Other Fungi			46			
Unidentified Fungi						
Hyphae fragments			46			
Algal / fern spores						
Insect parts						
POLLEN (Total cts/m³)		not detected	not detected	not detected	not detected	13
Not specified						
Pinus						13
COMMON AEROSOLS (cts/m³)						
Skin cell fragments		1370	3290	1100	457	366
Fiberglass fibers						
Cellulosic / synthetic fibers		91	91	46	46	
Unidentified opaque		46	4940	1100	46	274
Mineral / clay soil dust		823	7500	91	46	1100
OTHER PARTICLES (cts/m³)		not detected	not detected	not detected	not detected	not detected
Statistical Parameters						
Vol. analyzed (m ³)-high mag - 500x :		0.022	0.022	0.022	0.022	0.022
Detect limit(Cts/m ³)-high magnification:		45.7	45.7	45.7	45.7	45.7
% sample analyzed-high magnification:		29%	29%	29%	29%	29%
Vol. analyzed(m ³)/entire sple 150-300x:		0.075	0.075	0.075	0.075	0.075
* Detection limit (Cts/m ³)/entire sple:		13.3	13.3	13.3	13.3	13.3
* Note: The "entire sample" detection limit applies to the "large" particle categories analyzed during the low magnification examination of the entire sample						
Sample flow rate (lpm):		15.0	15.0	15.0	15.0	15.0
Sample trace length (mm):		14.40	14.40	14.40	14.40	14.40
Microscope field diameter (mm):		0.420	0.420	0.420	0.420	0.420

Note: Sample results are only applicable to the items or locations tested. Sample descriptions and volumetric data are provided by the client.

doc.rev.2020-19.1 4/10/20

* See the AIR PROFILE™ Interpretation Guidelines for the appropriate application of the exposure classification definitions of Typical, Atypical, and Elevated.

Raw/extrapolated counts are given on the last page of this

Authorized / data reviewed by: Joseph R. Heintskill

Report date: 8/19/20

report as a requirement of the AIHA-LAP accreditation program

Analyst: j/s

Date analyzed: 8/18/20

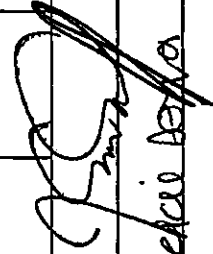
Chain-of-Custody and Analytical Request Form 20 - 0967

EAA
 306 5th Street, Suite 400
 Bay City, MI 48708
 (989) 895-4447

Email results to:
 results@occuhealth.com

Client: OccuHealth, Inc. **Date Sampled:** 8/17/2020 **Project ID:** City of Peabody, Brown Elementary School
 44 Wood Avenue 508-339-9119 voice P.O.#: 12520
 Mansfield, MA 02048 508-339-2893 fax Date Submitted: 8/17/2020

Sample #	Sample Type: air, wipe, bulk, dust	Sample Volume Liters	Sample Location	Analysis Requested	Special Instructions & Comments
1 29928372	Air	75	Nurse's Office	Dust Characterization	
2 29928364	Air	75	2 nd floor hallway by room 202	Dust Characterization	
3 29928359	Air	75	3 rd floor hallway by room 305	Dust Characterization	
4 29928953	Air	75	Auditorium/Cafeteria	Dust Characterization	
	Air	75	Outdoors (Duplicate)	Dust Characterization	

Submitted By: (Sign)  Contact Person: Jay McNeff
 Received by: (Sign) Jackie Sova (print) Jackie Sova Date & Time Received: 8/18/20 10:20
 (For lab use only) Samples processed by: Jackie Sova Date: 8/18/20



AIRBORNE MOLD AND DUST ANALYSIS

EAA Method #: DUST-A01

page 1 of 7

Client Name : OccuHealth, Inc.
 Client Project # : 12520
 Requested by : Jay McNeff
 EAA Project# : 20-0967

Project description : City of Peabody, Brown Elem. School
 Date collected : 8/17/20
 Sample received : 8/18/20

Sample condition : Acceptable as received

Client Sample#	Sample Description / Location	* General Comments - Dust and Mold Spore Levels				
29928372	Nurse's Office	Typical dust	Typical mold spores			
29928364	2nd floor hallway by room 202	Typical dust	Typical mold spores			
29928359	3rd floor hallway by room 305	Typical dust	Typical mold spores			
29928953	Auditorium / Cafeteria	Typical dust	Typical mold spores			
29928374	Outdoors (Duplicate)	Typical dust	Elevated outdoor mold spores			
AIRBORNE MOLD SPORE CONCENTRATIONS (Cts./m ³) -- Spore Trap Sample Analysis High mag. used 500X						
Category	Sample # -->	29928372	29928364	29928359	29928953	29928374
Total Mold Spores (Cts/m³)		183	91	91	503	29000
Alternaria						
Aspergillus/Penicillium						
Pigmented Asco & Basidio						823
Mix tiny, hyal Asco & Basidio	91	91	91			27800
Botrytis						
Chaetomium						
Cladosporium	91				503	274
Curvularia						
Drechslera/Bipolaris						
Epicoccum						
Fusicladium-like						
Nigrospora						
Oidium/Peronospora						
Pithomyces						
Rusts						
Smuts / Myxomycetes / Periconia						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Other Hyaline Fungi						91
Other Fungi						
Unidentified Fungi						
Hyphae fragments						
Algal / fern spores						
Insect parts						
POLLEN (Total cts/m³)		not detected	not detected	13	not detected	13
Not specified						
Pinus				13		13
COMMON AEROSOLS (cts/m³)						
Skin cell fragments		823	549	366	274	366
Fiberglass fibers						
Cellulosic / synthetic fibers		91		137		
Unidentified opaque		457	366	366		274
Mineral / clay soil dust		183	549	91	91	1100
OTHER PARTICLES (cts/m³)		not detected	not detected	not detected	not detected	not detected
Statistical Parameters						
Vol. analyzed (m ³)-high mag - 500x :		0.022	0.022	0.022	0.022	0.022
Detect limit(Cts/m ³)-high magnification:		45.7	45.7	45.7	45.7	45.7
% sample analyzed-high magnification:		29%	29%	29%	29%	29%
Vol. analyzed(m ³)entire sple 150-300x:		0.075	0.075	0.075	0.075	0.075
* Detection limit (Cts/m ³)entire sple:		13.3	13.3	13.3	13.3	13.3
* Note: The "entire sample" detection limit applies to the "large" particle categories analyzed during the low magnification examination of the entire sample						
Sample flow rate (lpm):		15.0	15.0	15.0	15.0	15.0
Sample trace length (mm):		14.40	14.40	14.40	14.40	14.40
Microscope field diameter (mm):		0.420	0.420	0.420	0.420	0.420

Note: Sample results are only applicable to the items or locations tested. Sample descriptions and volumetric data are provided by the client.

doc.rev.2020-19.1 4/10/20

* See the AIR PROFILE™ Interpretation Guidelines for the appropriate application of the exposure classification definitions of Typical, Atypical, and Elevated.

Raw/extrapolated counts are given on the last page of this report as a requirement of the AIHA-LAP accreditation program. Authorized / data reviewed by: Joseph R. Heintskill

Report date: 8/19/20

Date analyzed: 8/18/20

Analyst: err

Chain-of-Custody and Analytical Request Form

20 - 0969

EAA

306 5th Street, Suite 400
 Bay City, MI 48708
 (989) 895-4447

Email results to:
 results@occuhealth.com

Client: OccuHealth, Inc.
 44 Wood Avenue
 Mansfield, MA 02048


Date Sampled: 8/17/2020
 508-339-9119 voice

Project ID: City of Peabody, Higgins Middle School
 P.O.#: 12520


508-339-2893 fax

Date Submitted: 8/17/2020


Sample #	Sample Type: air, wipe, bulk, dust	Sample Volume Liters	Sample Location	Analysis Requested	Special Instructions & Comments
1 29928383	Air	75	Food Court	Dust Characterization	
2 29928352	Air	75	Nurse's Office	Dust Characterization	
3 29928373	Air	75	2 nd floor outside library	Dust Characterization	
4 29928349	Air	75	2 nd floor hallway by room 211	Dust Characterization	
5 29928361	Air	75	3 rd floor hallway by room 327	Dust Characterization	
6 29928512	Air	75	3 rd floor hallway by room 308	Dust Characterization	
29928374	Air	75	Outdoors	Dust Characterization	

Submitted By: (Sign) 

Contact Person: Jay McNeff

Received by: (Sign) 

(print) David H. Hurd (Date & Time Received: 8/18/20 10:20 Am)

(For lab use only) Samples processed by:  Date: 8/18/20



AIRBORNE MOLD AND DUST ANALYSIS

EAA Method #: DUST-A01

page 1 of 9

Client Name : OccuHealth, Inc.

Client Project # : 12520

Requested by : Jay McNeff

EAA Project# : 20-0969

Project description : City of Peabody, Higgins Middle School

Date collected : 8/17/20

Sample received : 8/18/20

Sample condition : Acceptable as received

Client Sample#	Sample Description / Location	* General Comments - Dust and Mold Spore Levels				
29928383	Food Court	Typical dust	No mold spores detected			
29928352	Nurse's Office	Typical dust	Typical mold spores			
29928373	2nd floor outside library	Typical dust	No mold spores detected			
29928349	2nd floor hallway by room 211	Typical dust	No mold spores detected			
29928361	3rd floor hallway by room 327	Typical dust	No mold spores detected			
AIRBORNE MOLD SPORE CONCENTRATIONS (Cts./m ³) -- Spore Trap Sample Analysis High mag. used 500X						
Category	Sample # -->	29928383	29928352	29928373	29928349	29928361
Total Mold Spores (Cts/m³)		not detected	229	not detected	not detected	not detected
Alternaria						
Aspergillus/Penicillium						
Pigmented Asco & Basidio						
Mix tiny, hyal Asco & Basidio						
Botrytis						
Chaetomium						
Cladosporium			229			
Curvularia						
Drechslera/Bipolaris						
Epicoccum						
Fusicladium-like						
Nigrospora						
Oidium/Peronospora						
Pithomyces						
Rusts						
Smuts / Myxomycetes / Periconia						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Other Hyaline Fungi						
Other Fungi						
Unidentified Fungi						
Hyphae fragments						
Algal / fern spores						
Insect parts						
POLLEN (Total cts/m³)		not detected	not detected	not detected	not detected	not detected
Not specified						
Pinus						
COMMON AEROSOLS (cts/m ³)						
Skin cell fragments		137	914	2740	457	1740
Fiberglass fibers						
Cellulosic / synthetic fibers		46		91	46	46
Unidentified opaque		46	91	274	274	366
Mineral / clay soil dust		46	183	2190	46	366
OTHER PARTICLES (cts/m³)		not detected	not detected	not detected	not detected	not detected
Statistical Parameters						
Vol. analyzed (m ³)-high mag - 500x :		0.022	0.022	0.022	0.022	0.022
Detect limit(Cts/m ³)-high magnification:		45.7	45.7	45.7	45.7	45.7
% sample analyzed-high magnification:		29%	29%	29%	29%	29%
Vol. analyzed(m ³)/entire sple 150-300x:		0.075	0.075	0.075	0.075	0.075
* Detection limit (Cts/m ³)/entire sple:		13.3	13.3	13.3	13.3	13.3
* Note: The "entire sample" detection limit applies to the "large" particle categories analyzed during the low magnification examination of the entire sample						
Sample flow rate (lpm):		15.0	15.0	15.0	15.0	15.0
Sample trace length (mm):		14.40	14.40	14.40	14.40	14.40
Microscope field diameter (mm):		0.420	0.420	0.420	0.420	0.420

Note: Sample results are only applicable to the items or locations tested. Sample descriptions and volumetric data are provided by the client.

doc.rev.2020-19.1 4/10/20

* See the AIR PROFILE™ Interpretation Guidelines for the appropriate application of the exposure classification definitions of Typical, Atypical, and Elevated.

Raw/extrapolated counts are given on the last page of this report as a requirement of the AIHA-LAP accreditation program

Authorized / data reviewed by: Joseph R. Keintskill

Report date: 8/19/20

Analyst: j/s

Date analyzed: 8/18/20



AIRBORNE MOLD AND DUST ANALYSIS

EAA Method #: DUST-A01

page 2 of 9

Client Name : OccuHealth, Inc.

Client Project # : 12520

Requested by : Jay McNeff

EAA Project# : 20-0969

Project description : City of Peabody, Higgins Middle School

Date collected : 8/17/20

Sample received : 8/18/20

Sample condition : Acceptable as received

Client Sample#	Sample Description / Location	* General Comments - Dust and Mold Spore Levels	
29928512	3rd floor hallway by room 308	Typical dust	No mold spores detected
29928374	Outdoors	Typical dust	Elevated outdoor mold spores

AIRBORNE MOLD SPORE CONCENTRATIONS (Cts./m³) -- Spore Trap Sample Analysis

High mag. used 500X

Category	Sample # -->	29928512	29928374
Total Mold Spores (Cts/m³)		not detected	29000
Alternaria			
Aspergillus/Penicillium			
Pigmented Asco & Basidio			823
Mix tiny, hyal Asco & Basidio			27800
Botrytis			
Chaetomium			
Cladosporium			274
Curvularia			
Drechslera/Bipolaris			
Epicoccum			
Fusicladium-like			
Nigrospora			
Oidium/Peronospora			
Pithomyces			
Rusts			
Smuts / Myxomycetes / Periconia			
Stachybotrys			
Stemphylium			
Torula			
Ulocladium			
Other Hyaline Fungi			91
Other Fungi			
Unidentified Fungi			
Hyphae fragments			
Algal / fern spores			
Insect parts			
POLLEN (Total cts/m³)		not detected	13
Not specified			
Pinus / other			13
COMMON AEROSOLS (cts/m³)			
Skin cell fragments		183	366
Fiberglass fibers			
Cellulosic / synthetic fibers		46	
Unidentified opaque		914	274
Mineral / clay soil dust		46	1100
OTHER AEROSOLS (cts/m³)		not detected	not detected

Statistical Parameters

Vol. analyzed (m ³)-high mag - 500x :	0.022	0.022
Detect limit(Cts/m ³)-high magnification:	45.7	45.7
% sample analyzed-high magnification:	29%	29%
Vol. analyzed(m ³)entire sple 150-300x:	0.075	0.075
* Detection limit (Cts/m ³)/entire sple:	13.3	13.3
* Note: The "entire sample" detection limit applies to the "large" particle categories analyzed during the low magnification examination of the entire sample		
Sample flow rate (lpm):	15.0	15.0
Sample trace length (mm):	14.40	14.40
Microscope field diameter (mm):	0.420	0.420

Note: Sample results are only applicable to the items or locations tested. Sample descriptions and volumetric data are provided by the client.

doc.rev.2020-19.1 4/10/20

* See the **AIR PROFILE™** Interpretation Guidelines for the appropriate application of the exposure classification definitions of Typical, Atypical, and Elevated.

Raw/extrapolated counts are given on the last page of this

Authorized / data reviewed by: Joseph R. Heintzkill

Report date: 8/19/20

report as a requirement of the AIHA-LAP accreditation program

Analyst: j/s

Date analyzed: 8/18/20

Chain-of-Custody and Analytical Request Form

20 - 0973

EAA

306 5th Street, Suite 400
 Bay City, MI 48708
 (989) 895-4447

Email results to:
 results@occuhealth.com

Client: OccuHealth, Inc.
 44 Wood Avenue
 Mansfield, MA 02048

Date Sampled: 8/17/2020
 508-339-9119 voice
 508-339-2893 fax

Project ID: City of Peabody, Veterans Memorial High School
 P.O.#: 12520

Date Submitted: 8/17/2020

Sample #	Sample Type: air, wipe, bulk, dust	Sample Volume Liters	Sample Location	Analysis Requested	Special Instructions & Comments
1 29928378	Air	75	Nurse's Office	Dust Characterization	
2 29928363	Air	75	Main Entrance/Atrium	Dust Characterization	
3 29928392	Air	75	2 nd Floor Main Street by room A236	Dust Characterization	
4 29928390	Air	75	2 nd floor outside library	Dust Characterization	
5 29928369	Air	75	3 rd floor C House Guidance	Dust Characterization	
6 29928909	Air	75	3 rd floor by room B350	Dust Characterization	
29928374	Air	75	Outdoors (Duplicate)	Dust Characterization	

Submitted By: (Sign)  **Contact Person:** Jay McNeff

Received by: (Sign) Spacie Dava (print) JACKIE SOVA **Date & Time Received:** 8/18/20 10:10

(For lab use only) Samples processed by: Spacie Dava **Date:** 8/18/20



AIRBORNE MOLD AND DUST ANALYSIS

EAA Method #: DUST-A01

Client Name : OccuHealth, Inc.
 Client Project # : 12520
 Requested by : Jay McNeff
 EAA Project# : 20-0973

Project description : City of Peabody, Veterans Memorial High Schoc
 Date collected : 8/17/20
 Sample received : 8/18/20

page 1 of 9

Sample condition : Acceptable as received

Client Sample#	Sample Description / Location	* General Comments - Dust and Mold Spore Levels				
29928378	Nurse's Office	Typical dust	No mold spores detected			
29928363	Main Entrance / Atrium	Typical dust	No mold spores detected			
29928392	2nd Floor Main Street by room A236	Typical dust	Typical mold spores			
29928390	2nd Floor Outside Library	Typical dust	No mold spores detected			
29928369	3rd Floor C House Guidance	Typical dust	Typical mold spores			
AIRBORNE MOLD SPORE CONCENTRATIONS (Cts./m ³) -- Spore Trap Sample Analysis High mag. used 500X						
Category	Sample # -->	29928378	29928363	29928392	29928390	29928369
Total Mold Spores (Cts/m³)		not detected	not detected	457	not detected	1100
Alternaria						
Aspergillus/Penicillium						
Pigmented Asco & Basidio						
Mix tiny, hyal Asco & Basidio				457		320
Botrytis						
Chaetomium						
Cladosporium						777
Curvularia						
Drechslera/Bipolaris						
Epicoccum						
Fusicladium-like						
Nigrospora						
Oidium/Peronospora						
Pithomyces						
Rusts						
Smuts / Myxomycetes / Periconia						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Other Hyaline Fungi						
Other Fungi						
Unidentified Fungi						
Hyphae fragments						
Algal / fern spores						
Insect parts						
POLLEN (Total cts/m³)		not detected	not detected	not detected	not detected	not detected
Not specified						
Pinus						
COMMON AEROSOLS (cts/m³)						
Skin cell fragments		274	914	1010	1550	274
Fiberglass fibers						
Cellulosic / synthetic fibers		46	46	46		
Unidentified opaque		91	549	274	91	91
Mineral / clay soil dust		46	366	731	274	46
OTHER PARTICLES (cts/m³)		not detected	not detected	not detected	not detected	not detected
Statistical Parameters						
Vol. analyzed (m ³)-high mag - 500x :		0.022	0.022	0.022	0.022	0.022
Detect limit(Cts/m ³)-high magnification:		45.7	45.7	45.7	45.7	45.7
% sample analyzed-high magnification:		29%	29%	29%	29%	29%
Vol. analyzed(m ³)-entire sple 150-300x:		0.075	0.075	0.075	0.075	0.075
* Detection limit (Cts/m ³)/entire sple:		13.3	13.3	13.3	13.3	13.3
* Note: The "entire sample" detection limit applies to the "large" particle categories analyzed during the low magnification examination of the entire sample						
Sample flow rate (lpm):		15.0	15.0	15.0	15.0	15.0
Sample trace length (mm):		14.40	14.40	14.40	14.40	14.40
Microscope field diameter (mm):		0.420	0.420	0.420	0.420	0.420

Note: Sample results are only applicable to the items or locations tested. Sample descriptions and volumetric data are provided by the client.

doc.rev.2020-19.1 4/10/20

* See the AIR PROFILE™ Interpretation Guidelines for the appropriate application of the exposure classification definitions of Typical, Atypical, and Elevated.

Raw/extrapolated counts are given on the last page of this report as a requirement of the AIHA-LAP accreditation program

Authorized / data reviewed by: Joseph R. Heintskill

Report date: 8/19/20

Analyst: jls

Date analyzed: 8/18/20



AIRBORNE MOLD AND DUST ANALYSIS

EAA Method #: DUST-A01

Client Name : OccuHealth, Inc.
 Client Project # : 12520
 Requested by : Jay McNeff
 EAA Project# : 20-0973

Project description : City of Peabody, Veterans Memorial High Schoc
 Date collected : 8/17/20
 Sample received : 8/18/20

page 2 of 9

Sample condition : Acceptable as received

Client Sample#	Sample Description / Location	* General Comments - Dust and Mold Spore Levels	
29928909	3rd Floor by room B350	Typical dust	Typical mold spores
29928374	Outdoors (Duplicate)	Typical dust	Elevated outdoor mold spores
AIRBORNE MOLD SPORE CONCENTRATIONS (Cts./m³) -- Spore Trap Sample Analysis High mag. used 500X			
Category	Sample # -->	29928909	29928374
Total Mold Spores (Cts/m³)		183	29000
Alternaria			
Aspergillus/Penicillium			
Pigmented Asco & Basidio			823
Mix tiny, hyal Asco & Basidio	137		27800
Botrytis			
Chaetomium			
Cladosporium	46		274
Curvularia			
Drechslera/Bipolaris			
Epicoccum			
Fusicladium-like			
Nigrospora			
Oidium/Peronospora			
Pithomyces			
Rusts			
Smuts / Myxomycetes / Periconia			
Stachybotrys			
Stemphylium			
Torula			
Ulocladium			
Other Hyaline Fungi			91
Other Fungi			
Unidentified Fungi			
Hyphae fragments			
Algal / fern spores			
Insect parts			
POLLEN (Total cts/m³)	not detected		13
Not specified			
Pinus / other			13
COMMON AEROSOLS (cts/m³)			
Skin cell fragments	366		366
Fiberglass fibers			
Cellulosic / synthetic fibers			
Unidentified opaque	229		274
Mineral / clay soil dust	137		1100
OTHER AEROSOLS (cts/m³)	not detected		not detected
Statistical Parameters			
Vol. analyzed (m ³)-high mag - 500x :	0.022		0.022
Detect limit(Cts/m ³)-high magnification:	45.7		45.7
% sample analyzed-high magnification:	29%		29%
Vol. analyzed(m ³)entire sple 150-300x:	0.075		0.075
* Detection limit (Cts/m ³)entire sple:	13.3		13.3
* Note: The "entire sample" detection limit applies to the "large" particle categories analyzed during the low magnification examination of the entire sample			
Sample flow rate (lpm):	15.0		15.0
Sample trace length (mm):	14.40		14.40
Microscope field diameter (mm):	0.420		0.420

Note: Sample results are only applicable to the items or locations tested. Sample descriptions and volumetric data are provided by the client. doc.rev.2020-19.1 4/10/20

* See the **AIR PROFILE™** Interpretation Guidelines for the appropriate application of the exposure classification definitions of Typical, Atypical, and Elevated.

Raw/extrapolated counts are given on the last page of this report as a requirement of the AIHA-LAP accreditation program

Authorized / data reviewed by: Joseph R. Heintzkill
 Analyst: jls

Report date: 8/19/20
 Date analyzed: 8/18/20