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Indoor Air Quality
Catastrophe Services
Microbiology
Asbestos Surveys
Air Monitoring
Industrial Hygiene
Epidemiology
Radon Testing
Water Testing
Lead Testing

October 27, 2025

Catherine Odindo
Westfield Washington Schools
1143 E. 181st St.
Westfield, IN 46074

**RE: Microbiological Sampling Report
Westfield Middle School
345 West Hoover Street – Westfield, IN
Micro Air, Inc. Project #50-20678-H**

Dear Ms. Odindo,

Micro Air, Inc. conducted microbiological sampling within Westfield Middle School located at the above-referenced address in Westfield, Indiana. Request for services was in response to expressed concerns regarding possible mold growth inside the school building.

Sampling to measure airborne and surface mold spore levels was conducted within the areas selected for testing by school administrators. April Nelson, Industrial Hygienist, performed the testing on October 21, 2025. The microbiological laboratory report is attached to the end of this document.

METHODOLOGY

Microbiology: Microbiological sampling to measure total (viable and non-viable) airborne and surface mold spore levels was conducted inside the building. The following microbiological studies were conducted:

Total Airborne Mold Spore Levels:

Sampling to measure total airborne mold spore levels was conducted using Air-O-Cell Cassettes in conjunction with a calibrated high-volume air-sampling pump. Samples were collected over a 5-minute time period at an airflow rate of 15 liters per minute. Results of the total mold spore analysis are reported in Spores per Cubic Meter of air (Spores/M³).

Surface Mold Identification:

Sampling for surface mold spore analysis was conducted using a clean, clear plastic Bio-Tape slide with an adhesive section. The adhesive section of the slide was depressed onto the targeted sampling site and removed, allowing for direct transfer of microorganisms. The sample was collected for mold spore confirmation and identification purposes.

All samples were analyzed via direct microscopic evaluation by Micro Air, Inc., a laboratory that is accredited through the Environmental Microbiology Laboratory Accreditation Program (EMLAP) administered by the American Industrial Hygiene Association Laboratory Accreditation Programs, LLC (AIHA LAP, LLC).

STUDY RESULTS

Microbiology: Existing standards regarding indoor air quality do not address microbiological contaminants, yet these contaminants can pose significant indoor air quality problems. Consensus for health-related airborne mold spore levels has not been agreed upon by standard setting agencies. Indoor airborne mold spore levels and types of isolates are compared to the outdoor level as an indication of potential indoor amplification sites.

Total Airborne Mold Spore Levels:

Five air samples were collected inside the school building during the site visit. In addition, one sample was collected outdoors for comparison purposes. Results are summarized in the table below:

Sample ID	Sample Location	Level Measured (Spores/ M³)	Predominant Mold Spore Type Identified
A-01	Cafeteria	159	NA
A-02	Classroom E-308	2,772	<i>Cladosporium spp.</i>
A-03	Classroom E-408	1,972	<i>Cladosporium spp.</i>
A-04	Classroom W-603	320	<i>Cladosporium spp.</i>
A-05	Gymnasium	267	<i>Cladosporium spp.</i>
A-06	Outdoors	12,266	<i>Cladosporium spp.</i>

Spores/M³ = Mold Spores per Cubic Meter of Air. **NA** = Not Applicable; a clearly predominant mold spore type was not identified in the sample due to the low level measured.

Individual sampling sites and corresponding results have been detailed in the ***Total Airborne Mold Spore Sample Results*** laboratory report provided at the end of this document.

Surface Mold Identification:

One sample was collected to determine the surface mold spore level present on the tested surface at the time of the evaluation. Results are summarized in the table below:

Sample ID	Sample Location	Spore Level Measured	Predominant Mold Spore Type Identified
T-1	Classroom W-603 – Sink cabinet shelf	HIGH	<i>Chaetomium spp.</i>

Spore levels ratings include:

- None Detected (ND) – Less than 1 spore
- Rare – 1 to 10 spores
- Low – 11 to 100 spores
- Moderate – 101 to 1,000 spores
- High – Greater than (>) 1,001 spores

Individual sampling sites and corresponding results have been detailed in the ***Direct Microscopic Examination – Tape Lift Sample Results*** laboratory report at the end of the report.

SUMMARY / CONCLUSION

Micro Air, Inc. conducted microbiological sampling within Westfield Middle School located at 345 West Hoover Street in Westfield, Indiana. Request for services was in response to expressed concerns regarding possible mold growth inside the school building.

A visual inspection of the sampled areas inside the school building revealed minor mold growth inside a lab sink cabinet located in Classroom W-603. The source of growth appeared to be a leak from the plumbing under the sink, however the leak did not appear to be active on the date of the site visit. In addition, minor water stains were observed on four suspended cellulose ceiling tiles located in Classroom E-308.

Microbiological sampling revealed total airborne mold spore levels that were significantly below the level measured outdoors, which is the desired outcome of the testing. In addition, the consistency in the predominant mold spore type identified both inside the school building and outdoors suggests that the outside air was the primary influence on the indoor airborne mold spore population present at the time of sampling. The results from all five locations were within the acceptable range for a normal or non-impacted indoor environment on the date sampling was conducted.

As a guideline, overall mold spore levels below 2,000 Spores/M³ and levels of *Aspergillus/Penicillium*-like spores less than approximately 700 Spores/M³ are generally indicative of clean conditions without an indoor amplification source of mold growth present (ETA Bioaerosol Analysis Method Guide #1, Daniel M. Baxter). Satisfaction of these criteria, combined with the absence of purported toxigenic mold species (e.g., *Chaetomium spp.* or *Stachybotrys spp.*) identified indoors suggests an acceptable indoor air quality environment. These guidelines are used to help evaluate conditions present during the winter months when outdoor levels of mold spores tend to be greatly reduced in comparison to the remainder of the

year. These criteria have been met in all sampled locations inside the referenced school building on the date of the evaluation.

Surface sampling confirmed the presence of mold growth on the wood shelf located inside one of the lab sink cabinets in Classroom W-603.

Based upon the results of the current study, Micro Air, Inc. recommends discarding water-stained ceiling tiles as they are discovered throughout the building and replacing them with new tiles. In addition, Micro Air, Inc. recommends removing and discarding the mold-impacted shelf located inside the sink cabinet in Classroom W-603, and cleaning all interior surfaces inside the affected cabinet by HEPA-vacuuming and damp-wiping with a sanitizing agent, two passes of each. If it is determined that other portions of the cabinet unit are mold-impacted, then consideration must be given to replacing the affected cabinet entirely.

Thank you for allowing Micro Air, Inc. the opportunity to provide our services. If you have any questions or require additional information, please call me at your convenience.

Respectfully submitted by,

A handwritten signature in black ink, appearing to read "April Nelson". The signature is fluid and cursive, with the first name "April" and last name "Nelson" clearly distinguishable.

April Nelson, OHST
Sr. Industrial Hygienist
Director of IH & IAQ Services
Micro Air, Inc.



micro air inc.

6320 La Pas Trail, Indianapolis, IN 46268 * Phone: (317) 293-1533 * lab@microair.com * www.microair.com

October 24, 2025

Westfield Washington Schools
Catherine Odindo
18160 Market Court
Westfield, Indiana 46074

Total Airborne Mold Spore Sample Results

Project Name: Westfield Middle School
Project Number: 50-20678-H

Location: 345 W. Hoover St. - Westfield, IN
Date Received: October 21, 2025

Enclosed please find the results of samples analyzed by the Micro Air, Inc. laboratory.

Samples were analyzed according to Micro Air, Inc. Method M01, Revision 7 to identify total airborne mold in the samples and quantify the results. Total concentrations are reported as calculated, but only the first 2 figures should be considered significant. Data is corrected for blank samples only if blank samples are submitted. The expanded measurement of uncertainty for all direct spore trap results is 0.20 at a 95% confidence level (k=2). Our laboratory is fully accredited for spore trap analysis by the AIHA LAP, Laboratory ID: LAP-100951.

Disclaimer: It is not the intent of this report to make any associations regarding potential health effects to building occupants. There are no governmental regulations concerning permissible numbers of mold in environmental samples. Interpretation of the results is the responsibility of the company or individual who conducted the investigation.

This report may not be reproduced, except in full, without written approval from Micro Air, Inc. These results only relate to the items tested and are only as accurate as the sampling information submitted by the customer (e.g. air volumes). Samples are received in good condition unless otherwise noted.

Please consult your Project Manager, April Nelson, with any questions regarding these results.

Analyzed By:

Megan E. Harris

Authorized By:

Betsy L. McAfee
Technical Manager

Client: Westfield Washington Schools
 Report Date: 10/24/2025
 Lab Number: 213834

Project Number: 50-20678-H
 Project Name: Westfield Middle School

Total Airborne Mold Spore Sample Results

Location: 345 W. Hoover St. - Westfield, IN

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Volume/M³	Detection Limit (Count/M³)	Debris Rating	Sample Location	Alternaria	Ascospores/ Leptosphaeria	Aspergillus / Penicillium Like	Basidiospores	Bipolaris / Drechlera	Chaetomium	Cladosporium	Curvularia	Epicoccum	Fusarium	Phthomyces / Ulocladium	Stachybotrys	Other	TOTAL CONCENTRATION (Count/M³)
001	A-01	10/21/25	10/23/25	0.075	53	2	Cafeteria		53		53			53							159
Raw Count:									1		1			1							3
002	A-02	10/21/25	10/23/25	0.075	53	2	Classroom E-308		53	53	427			2133		53				53	2772
Raw Count:									1	1	8			40		1				1	52
003	A-03	10/21/25	10/23/25	0.075	53	2	Classroom E-408	53	53		267			1387	53	53			53	53	1972
Raw Count:								1	1		5			26	1	1			1		37
004	A-04	10/21/25	10/23/25	0.075	53	2	Classroom W-603				107			213							320
Raw Count:											2			4							6
005	A-05	10/21/25	10/23/25	0.075	53	2	Gymnasium				107			160							267
Raw Count:											2			3							5
006	A-06	10/21/25	10/23/25	0.075	53	3	Outdoors	320	427		2560			8800		53			53	53	12266
Raw Count:								6	8		48			165		1			1	1	230

Betsie L. McAfee has reviewed this final report and has taken overall technical responsibility for the data.

Count/M³=Spore Count per Cubic Meter

Total concentrations are reported as calculated, but only the first 2 figures should be considered significant.

Debris Rated on a Scale of 1-5

- 1 - Less than 10% of the slide occluded with non-microbial debris
- 2 - 11 to 25% of the slide occluded with non-microbial debris
- 3 - 25 to 75% of the slide occluded with non-microbial debris
- 4 - 76 to 90% of the slide occluded with non-microbial debris
- 5 - Greater than 90% of the slide occluded with non-microbial debris. This debris rating is not analyzed.



micro air inc.

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October 24, 2025

Westfield Washington Schools
Catherine Odindo
18160 Market Court
Westfield, Indiana 46074

Direct Examination - Tape Lift Sample Results

Project Name: Westfield Middle School
Project Number: 50-20678-H

Location: 345 W. Hoover St. - Westfield, IN
Date Received: October 21, 2025

Enclosed please find the results of samples analyzed by the Micro Air, Inc. laboratory.

Samples were analyzed according to Micro Air, Inc. Method M08, Revision 7 to identify surface mold in the samples and quantify the results. Our laboratory is fully accredited for fungal analysis by the AIHA LAP, Laboratory ID: LAP-100951.

Disclaimer: It is not the intent of this report to make any associations regarding potential health effects to building occupants. There are no governmental regulations concerning permissible numbers of mold in environmental samples. Interpretation of the results is the responsibility of the company or individual who conducted the investigation.

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Please consult your Project Manager, April Nelson, with any questions regarding these results.

Analyzed By:

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Client: Westfield Washington Schools
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Project Number: 50-20678-H
Project Name: Westfield Middle School

Direct Examination - Tape Lift Sample Results

Location: 345 W. Hoover St. - Westfield, IN

TOTAL CONCENTRATION													
Other	<i>Stachybotrys</i>	<i>Pithomyces / Ulocladium</i>	<i>Fusarium</i>	<i>Epicoccum</i>	<i>Curvularia</i>	<i>Cladosporium</i>	<i>Chaetomium</i>	<i>Bipolaris / Dreschlera</i>	Basidiospores	<i>Aspergillus / Penicillium Like</i>	Ascospores / Leptosphaeria	<i>Alternaria</i>	Sample Location
							High						Classroom W-603 - Sink Cabinet Shelf
High													007
													T-1
													10/21/25
													10/23/25

Betsie L. McAfee has reviewed this final report and has taken overall technical responsibility for the data.

Rating Scale

Semi-quantitative Concentrations:

None Detected (ND) - Less than 1 Spore

Rare - 1 to 10 Spores

Low - 11 to 100 Spores

Moderate - 101 to 1,000 Spores

High - Greater than 1,000 Spores