

February 13, 2026

Ms. Sandra Duran  
Combined Facilities Director  
Town of Sudbury  
275 Old Lancaster Road  
Sudbury, MA 01776

Re: Follow-up Mold Air & Surface Sampling, Hosmer House – 299 Old  
Sudbury Road, Sudbury, MA

Dear Ms. Duran:

### **Introduction & Summary**

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The Town of Sudbury retained FLI Environmental (FLI) to perform a follow-up mold evaluation at the Hosmer House located at 299 Old Sudbury Road, Sudbury, Massachusetts. The house is historic, serves as a museum and was constructed circa 1793.

The initial assessment was conducted by Ted Sherry, representing Smith and Wessel Associates, Inc. (SWA) on September 6, 2023, after concerns arose that mold was observed on a leather book cover in the second-floor art storage room. Testing was performed in the 2<sup>nd</sup> floor Art Storage room and adjacent spaces to determine for elevated moisture in building finishes and airborne mold spore levels. It was determined that elevated airborne mold spores were present in the Art Storage room as well as elevated moisture in some finishes.

Therefore, the Town contracted with Alpine Environmental, Inc. (Alpine) to remediate the Art Storage room. Alpine contained the work area and remediated all impacted finishes. Walls were opened up to evaluate for areas of water intrusion and corrective measures were implemented. In addition, a mini-split wall unit was removed and the wall patched as it was not operating correctly and thought to be contributing to the mold issues.

Following remediation of the space by Alpine, additional repairs were performed in an attempt to eliminate future water intrusion events. Following the work, SWA performed follow-up evaluations to determine if the work was successful. The first post remediation evaluation occurred on October 23, 2023. The airborne mold spore concentrations were significantly lower and more in-line with what would be expected. SWA then waited a period of time and on November 13, 2023 conducted additional testing and normal conditions persisted in the spaces.

On August 1, 2024, SWA conducted an annual follow up site visit for the purpose of evaluating current conditions which included the Art Storage room and adjacent spaces as well as the basement.

Because elevated airborne mold spores were identified in the basement during the August 1<sup>st</sup> evaluation, the Town initiated mitigation efforts in the space which included the addition of two dehumidifiers. SWA returned to the site on September 17, 2024 to replicate the sampling which determined these mitigation efforts were successful in the basement.

On October 24, 2024, SWA conducted surface swab sampling of various surfaces throughout the Hosmer House. Results of those samples showed High levels of various mold types including, *Aspergillus/Penicillium*, *Cladosporium*, and *Penicillium/Talaromyces*. SWA recommended controlled and periodic cleaning of surfaces with Medium to High levels of mold spores.

On August 12, 2025, FLI conducted an annual mold in air sampling where results were stable, and the basement spore count correlated with the exterior sample.

On February 5, 2026, Richard Bourassa, representing FLI, conducted follow-up mold in air and surface swab sampling throughout the Hosmer House.

## **Background & Observations**

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During the assessment on February 5, 2026, FLI noted the dehumidifiers and a HEPA air filtration unit were in operation in the basement and in the stairwell areas on the main floors. No moisture was detected in any of the finishes and no visible mold growth or water staining was evident. The relative humidity (RH) was in the 40% range within the recommended comfort level of 30% to 60%.

## **Sampling & Analytical Methods**

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*Airborne Mold* - In order to assess levels of mold present in the spaces, airborne mold testing was performed utilizing a Buck BioAire Air-O-Cell™ sampling device following all manufacturers' recommended sampling procedures.

The Air-O-Cell™ is a direct-read total particulate sampling device. It is designed for the rapid collection and analysis of airborne particulates, including mold. A known volume of air, at a flow rate of 15 liters/minute, was drawn through each cassette and the filters analyzed to detect types of mold present in the air and the total number of spores. The cassettes were assigned unique sample numbers that were recorded onto a chain-of-custody form.

During the February 5, 2026 site visit, Mr. Bourassa collected six air samples that best replicated previous testing. The air samples collected include the following: one in the basement, one in the first-floor dining room, one in the Art Storage room, one in the space outside the storage room, one in the adjacent bedroom, and one exterior comparison sample.

*Swab Sample for Analysis of Mold Spores and Structures, Hyphae, & Other Particulates* – Sterile swabs provide a standardized sampling method for the determination of mold spores, microbial, bio-aerosol, and inorganic dust contamination on surfaces. They provide the ability to quickly take a sample and measure the relative degree of contamination. This analysis determines the types of mold spores present, and categorizes the extent of fungal material present into four categories:

- Rare: 1 to 10 spores
- Low: 11 to 100 spores
- Medium: 101 to 1,000 spores
- High: > 1,000 spores

Fifteen sterile swabs were collected from various surfaces throughout the house which best duplicated the October 2024 assessment. The swabs were assigned to a unique sample number that was also recorded onto a chain-of-custody form.

*Laboratory Analysis* - Following proper chain-of-custody procedures all samples were delivered to EMSL Analytical (EMSL) of Woburn, Massachusetts for analysis. EMSL, a fully accredited analytical laboratory, analyzed the air samples

utilizing Optical Microscopy (EMSL Method 05-TP-003). The analysis was conducted to detect types of mold present in the air and the total number of spores.

EMSL analyzed the swab samples via direct microscopic examination (EMSL Method MICRO-SOP-200), which determines the types of mold present, and categorizes the extent of fungal material present, by the relative amount of growth. Sterile swabs provide a standardized sampling method for the determination of mold, microbial, bio-aerosol, and inorganic dust contamination. They provide the ability to quickly take a sample and measure the relative degree of contamination.

Laboratory results of all testing are presented as Appendix A of this report.

**Moisture Assessment** – Because elevated moisture is one of the leading causes of fungal amplification, contributes to the destruction of indoor building products, and can lead to the deterioration of buildings, FLI conducted testing of representative building finishes throughout the spaces using a Protimeter Mini moisture meter. The moisture meter is a conductance type meter that uses a two-pin inspection mode enabling the consultant to instantly assess moisture conditions not only on a component surface, but also at depth.

The Protimeter Mini moisture meter identifies by means of green, yellow, and red LEDs whether a surface is in an air-dry (0-18%), borderline (18-22%), or damp condition (>22%) and quantifies this condition in terms of percent wood-moisture-equivalent (% WME).

## **Findings**

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**Airborne Mold Results** – Results of airborne mold sampling during the February 5, 2026, visit indicated that the airborne spore counts and types in the 2<sup>nd</sup> floor Art Storage room, space outside the storage room, the adjacent bedroom, the dining room, the basement, and the exterior sample were consistent with normal conditions during the winter months. In addition, spore levels were consistent with the previous follow-up evaluations.

Professional Indoor Air Quality associations such as the EPA and the American Conference of Governmental Industrial Hygienists (ACGIH) consider a space contaminated when the total mold spore levels reach or exceed **10,000** spores per cubic meter of air.

The September 17, 2024, site visit, airborne spore counts in the basement had dropped considerably from 25,840 in August 2024 to 5,870. In August 2025 the spore counts were consistent with the September 2024 assessment at 4,600. During the February 2026 assessment the basement was at 940. *Aspergillus/Penicillium* continues to be the primary spore type identified throughout the house.

Very low levels of Basidiospores were detected in the basement as well as the Art Storage Room. Very low levels of Ascospores, Myxomycetes, and Pithomyces were detected in the adjacent Bedroom. The total spore counts from all test areas are lower than the August 2025 assessment, likely due to the winter season, but also indicates that the indoor environment is stable as it pertains to mold.

The levels of airborne mold spores recorded during the different site visits are presented in **Table 1** below for comparison:

<b>Table 1. Airborne Mold Levels</b>	
Hosmer House	
299 Old Sudbury Road, Sudbury, MA	
<b>Sample &amp; Location</b>	<b>Spores per Cubic Meter of Air</b>
<i>Site Visit on 9-6-23</i>	
(01), Floor 2 art storage room	20,900
(02), Floor 2 main hall at stairs	480
(03), Floor 1 dining room	370
(04), Exterior near garage	18,690
<i>Site Visit on 9-15-23</i>	
(01), Floor 2 art storage room	12,800
<i>Site Visit on 9-19-23</i>	
(01), Middle of the basement	670
(02), Exterior near garage	10,360
<i>Site Visit on 9-29-23</i>	
(01), Floor 2 art storage room	70,310
(02), Area outside art storage room	14,640
(03), Bedroom connecting to art storage	740
(04), Exterior near garage	2,390
<i>Site Visit on 10-23-23 (Following Remediation)</i>	
(01), Art storage room	200
(02), Space outside art storage room	240
(03), Exterior	1800

<b>Table 1. Airborne Mold Levels</b> Hosmer House 299 Old Sudbury Road, Sudbury, MA	
<b>Sample &amp; Location</b>	<b>Spores per Cubic Meter of Air</b>
<i>Site Visit on 11-13-23 (Following Remediation)</i>	
(01), Art storage room	Present
(02), Space outside art storage room	420
(03), Bedroom adjacent to Art Storage room	320
(03), Exterior	340
<i>Site Visit on 8-1-24</i>	
(01), Basement	25,840
(02), Art Storage Room	440
(03), Space Outside Storage Room	400
(04), Bedroom, adjacent to Art Storage Rm.	160
(05), Exterior at rear of Building	4,660
<i>Site Visit on 9-17-24</i>	
(01), Basement	5,870
(02), Art Storage Room	320
(03), Space Outside Storage Room	1,210
(04), Bedroom, adjacent to Art Storage Rm.	530
(05), Exterior at rear of Building	1,300
<i>Site Visit on 8-12-2025</i>	
(01), Art Storage Room	770
(2), Space Outside Storage Room	620
(3), Bedroom, adjacent to Art Storage Rm.	580
(4), Basement	4600
(5), Exterior at Rear of Building	4080
<i>Site Visit on February 5, 2026</i>	
(01), Basement	940
(02), 1 <sup>st</sup> floor Dining Room	300
(03), Art Storage Room	410
(04), Space Outside Storage Room	80
(05), Bedroom, adjacent to Art Storage Rm.	130
(06), Exterior at Rear of Building	None Detect

**Moisture Findings** – FLI tested representative finishes throughout the impact areas, and the majority of all finishes were determined to be within the air-dry 0-18% range. The basement appeared to be dry this visit.

**Surface Mold Results** – Sterile swab samples were collected from tables, shelves, rafters, stairs, and a window frame in the basement, a shelf in the 1<sup>st</sup> floor north west room, a desk in the 1<sup>st</sup> floor office, baseboard trim in the 1<sup>st</sup> floor stairway, a table in the 1<sup>st</sup> floor dining room, an artwork frame in the 1<sup>st</sup> floor parlor, an artwork frame in the 2<sup>nd</sup> floor large northwest room, from the back of a piece of furniture in the 2<sup>nd</sup> floor southwest bedroom, a shelf inside the cabinet in the 2<sup>nd</sup> floor Art Storage room, a table in the 2<sup>nd</sup> floor northeast bedroom, and a window sill in the 2<sup>nd</sup> floor southeast bedroom.

Results of swab sampling indicate that mold levels within the Hosmer House were very low. Most readings were in the rare or low categories, suggesting that fungal amplification is not a concern at this time.

The most common mold spore identified during the swab surface testing was *Cladosporium* in Rare (1 to 10 spores) and Low levels (11 to 100 spores) in the basement. One swab surface sample in the basement showed low levels (11 to 100 spores) of *Aspergillus/Penicillium*.

Laboratory results of surface swab sampling are presented in **Appendix A** of this report.

## **Conclusions and Recommendations**

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Based on the assessment conducted on February 5, 2026, FLI makes the following conclusions and recommendations:

- Based on the diminished number of airborne spores noted in the basement, it appears that the installation and continued use of the dehumidifiers and HEPA air filtration unit continues to be successful in mitigating the airborne mold issue in that space. The 2<sup>nd</sup> floor Art Storage room and adjacent spaces appear to be maintaining expected levels of airborne mold spores and types. No further concerns were noted in those spaces. However, it would be prudent to continue conducting periodic testing to be certain conditions remain stable. It is recommended that this testing occurs in late spring or early summer when conditions for mold propagation are most favorable.

- Analysis of sterile swab samples indicate a very low level of identifiable mold spores throughout the tested areas. Continued periodic cleaning throughout the house is recommended to maintain these results.
- Maintenance or other staff members must continue to perform in-house visual inspections for any suspect mold growth or staining that may be indicative of water intrusion during their routine work activities. It is important to ensure that relative humidity (RH) is maintained in the indoor environment at between 30% and 60%. Promote air movement in spaces that are not readily used such as the Art Storage room as this tends to maintain dry conditions.
- Levels of both airborne mold spores and active mold growth may change at any given time due to changes in temperature, moisture, air pressure changes, and the like. This report presents the results of visual assessments and mold levels at the time of the assessment; it makes no claims as to the status of environmental conditions outside of this sampling period.

Should you have any questions or concerns please do not hesitate to contact us at your earliest convenience.

Respectfully submitted,  
**FLI Environmental, Inc.**



Richard A. Bourassa, Jr.  
Project Manager

# Appendix A

## Laboratory Analytical Sheets (2/5/2026)



# EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

<http://www.EMSL.com/bostonlab@emsl.com>

EMSL Order: 132600722

Customer ID: FLIE62

Customer PO:

Project ID:

**Attention:** Richard Bourassa  
FLI Environmental  
69 Bridge Street  
Dedham, MA 02026

**Phone:** (781) 251-0040  
**Fax:** (781) 251-0901  
**Collected Date:** 02/05/2026  
**Received Date:** 02/06/2026 11:30 AM  
**Analyzed Date:** 02/09/2026

**Project:** Hosmer House Town of Sudbury/26-1102

### Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	132600722-0001			132600722-0002			132600722-0003		
	01	02	03	01	02	03	01	02	03
	75	75	75	75	75	75	75	75	75
	Basement			1st Floor Dining Room			2nd Floor Art Storage		
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	1	10*	2.4
Ascospores	-	-	-	-	-	-	-	-	-
Aspergillus/Penicillium++	22	900	95.7	7	300	100	9	400	97.6
Basidiospores	1	40	4.3	-	-	-	-	-	-
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
<b>Total Fungi</b>	<b>23</b>	<b>940</b>	<b>100</b>	<b>7</b>	<b>300</b>	<b>100</b>	<b>10</b>	<b>410</b>	<b>100</b>
Hyphal Fragment	2	30*	-	-	-	-	1	40	-
Insect Fragment	1	40	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	1	-	-	1	-

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

Steve Grise, Laboratory Manager  
or other Approved Signatory

No discernable field blank was submitted with this group of samples.

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179

Initial report from: 02/09/2026 11:41 AM

For information on the fungi listed in this report, please visit the Resources section at [www.emsl.com](http://www.emsl.com)



# EMSL Analytical, Inc.

5 Constitution Way, Unit A Woburn, MA 01801

Tel/Fax: (781) 933-8411 / (781) 933-8412

<http://www.EMSL.com> / [bostonlab@emsl.com](mailto:bostonlab@emsl.com)

<b>EMSL Order:</b> 132600722
<b>Customer ID:</b> FLIE62
<b>Customer PO:</b>
<b>Project ID:</b>

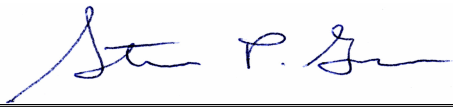
<b>Attention:</b> Richard Bourassa FLI Environmental 69 Bridge Street Dedham, MA 02026	<b>Phone:</b> (781) 251-0040 <b>Fax:</b> (781) 251-0901 <b>Collected Date:</b> 02/05/2026 <b>Received Date:</b> 02/06/2026 11:30 AM <b>Analyzed Date:</b> 02/09/2026
<b>Project:</b> Hosmer House Town of Sudbury/26-1102	

### Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods MICRO-SOP-201, ASTM D7391)

Lab Sample Number: Client Sample ID: Volume (L): Sample Location:	132600722-0004			132600722-0005			132600722-0006			
	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	
04 75 2nd Floor Room at Art Storage				05 75 2nd Floor SE Bedroom			06 75 Exterior			
<b>Spore Types</b>										
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-	
Ascospores	1	40	50	1	40	30.8	-	-	-	
Aspergillus/Penicillium++	-	-	-	1	40	30.8	-	-	-	
Basidiospores	1	40	50	-	-	-	-	-	-	
Bipolaris++	-	-	-	-	-	-	-	-	-	
Chaetomium++	-	-	-	-	-	-	-	-	-	
Cladosporium	-	-	-	-	-	-	-	-	-	
Curvularia	-	-	-	-	-	-	-	-	-	
Epicoccum	-	-	-	-	-	-	-	-	-	
Fusarium++	-	-	-	-	-	-	-	-	-	
Ganoderma	-	-	-	-	-	-	-	-	-	
Myxomycetes++	-	-	-	1	40	30.8	-	-	-	
Pithomyces++	-	-	-	1	10*	7.7	-	-	-	
Rust	-	-	-	-	-	-	-	-	-	
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-	
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-	
Unidentifiable Spores	-	-	-	-	-	-	-	-	-	
Zygomycetes	-	-	-	-	-	-	-	-	-	
<b>Total Fungi</b>	<b>2</b>	<b>80</b>	<b>100</b>	<b>4</b>	<b>130</b>	<b>100</b>	-	<b>None Detect</b>	-	
Hyphal Fragment	2	80	-	-	-	-	-	-	-	
Insect Fragment	-	-	-	1	40	-	-	-	-	
Pollen	1	10*	-	-	-	-	-	-	-	
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-	
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-	
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-	
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-	
Background (1-5)	-	2	-	-	2	-	-	1	-	

† Due to method stopping rules, extrapolated raw counts are reported in parenthesis.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

  
 Steve Grise, Laboratory Manager  
 or other Approved Signatory

No discernable field blank was submitted with this group of samples.

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**EMSL Order:** 132600723  
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**Attention:** Richard Bourassa  
FLI Environmental  
69 Bridge Street  
Dedham, MA 02026

**Phone:** (781) 251-0040  
**Fax:** (781) 251-0901  
**Collected Date:** 02/05/2026  
**Received Date:** 02/06/2026  
**Analyzed Date:** 02/06/2026

**Project:** Hosmer House Town of Sudbury/26-1102 (SWAB)

## Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Swab Samples (EMSL Method MICRO-SOP-200)

Lab Sample Number: Client Sample ID: Sample Location:	132600723-0001 01 Basement Shelf at Furnace West	132600723-0002 02 Basement Table NE Corner (North)	132600723-0003 03 Basement Window Frame (South)	132600723-0004 04 Basement East Rafters	132600723-0005 05 Basement Center - Stair
Spore Types	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	-	-	-	-	-
Ascospores	-	-	Rare	-	-
Aspergillus/Penicillium++	-	Low	-	-	-
Basidiospores	Rare	-	-	-	-
Bipolaris++	-	-	-	-	-
Chaetomium++	-	Rare	-	-	-
Cladosporium	Rare	Low	Rare	Low	Low
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium++	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	Rare	Rare	-	-	-
Pithomyces++	-	Rare	-	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Bispora	-	-	-	Rare	Rare
Endophragmia++	-	-	-	-	-
Hyphal Fragment	Rare	Rare	Rare	Low	Low
Insect Fragment	Rare	Rare	Rare	-	-
Pollen	-	-	Low	-	Rare
Fibrous Particulate	Rare	-	Rare	-	-

Category: Count/per area analyzed - Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

- Denotes Not Detected.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

\* = Sample contains fruiting structures and/or hyphae associated with the spores.

Steve Grise, Laboratory Manager  
or other Approved Signatory

No discernable field blank was submitted with this group of samples.

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Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179

Initial report from: 02/09/2026 11:12 AM

For information on the fungi listed in this report, please visit the Resources section at [www.emsl.com](http://www.emsl.com)



# EMSL Analytical, Inc.

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Tel/Fax: (781) 933-8411 / (781) 933-8412  
<http://www.EMSL.com> / [bostonlab@emsl.com](mailto:bostonlab@emsl.com)

**EMSL Order:** 132600723  
**Customer ID:** FLIE62  
**Customer PO:**  
**Project ID:**

**Attention:** Richard Bourassa  
FLI Environmental  
69 Bridge Street  
Dedham, MA 02026

**Phone:** (781) 251-0040  
**Fax:** (781) 251-0901  
**Collected Date:** 02/05/2026  
**Received Date:** 02/06/2026  
**Analyzed Date:** 02/06/2026

**Project:** Hosmer House Town of Sudbury/26-1102 (SWAB)

## Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Swab Samples (EMSL Method MICRO-SOP-200)

Lab Sample Number: Client Sample ID: Sample Location:	132600723-0006 06 1st Floor NW Room	132600723-0007 07 1st Floor Office	132600723-0008 08 1st Floor Stairway	132600723-0009 09 1st Floor Dining	132600723-0010 10 1st Floor Parlor
Spore Types	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	-	-	Rare	-	-
Ascospores	-	-	-	-	Rare
Aspergillus/Penicillium++	-	-	-	-	-
Basidiospores	Rare	-	-	-	Rare
Bipolaris++	-	-	-	-	-
Chaetomium++	-	Rare	-	-	Rare
Cladosporium	Rare	-	-	Rare	Rare
Curvularia	-	-	-	-	-
Epicoccum	-	-	Rare	Rare	Rare
Fusarium++	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	-	-	Rare	-	Rare
Pithomyces++	Rare	-	Rare	Rare	Rare
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Bispora	-	-	-	-	-
Endophragmia++	-	-	-	Rare	-
Hyphal Fragment	-	-	Rare	-	Rare
Insect Fragment	Rare	-	Rare	Rare	Rare
Pollen	-	-	-	Rare	-
Fibrous Particulate	Rare	-	Rare	-	-

Category: Count/per area analyzed - Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

- Denotes Not Detected.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

\* = Sample contains fruiting structures and/or hyphae associated with the spores.

Steve Grise, Laboratory Manager  
or other Approved Signatory

No discernable field blank was submitted with this group of samples.

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Woburn, MA AIHA LAP, LLC-EMLAP Accredited #180179

Initial report from: 02/09/2026 11:12 AM

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**Project:** Hosmer House Town of Sudbury/26-1102 (SWAB)

## Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Swab Samples (EMSL Method MICRO-SOP-200)

Lab Sample Number: Client Sample ID: Sample Location:	132600723-0011 11 2nd Floor Large NW Room	132600723-0012 12 2nd Floor SW Bedroom	132600723-0013 13 2nd Floor Art Storage	132600723-0014 14 2nd Floor NE Bedroom	132600723-0015 15 2nd Floor SE Bedroom
Spore Types	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	-	-	-	-	-
Ascospores	-	-	-	-	-
Aspergillus/Penicillium++	-	-	-	-	-
Basidiospores	-	-	-	Rare	Rare
Bipolaris++	-	-	-	-	-
Chaetomium++	-	Rare	-	-	-
Cladosporium	-	-	-	-	-
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium++	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	Rare	-	Rare	-	-
Pithomyces++	-	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Bispora	-	-	-	-	-
Endophragmia++	-	-	-	-	-
Hyphal Fragment	-	-	Rare	-	-
Insect Fragment	-	-	-	-	Rare
Pollen	-	-	-	-	-
Fibrous Particulate	Rare	-	-	Rare	Rare

Category: Count/per area analyzed - Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

- Denotes Not Detected.

++ Includes other spores with similar morphology; see EMSL's fungal glossary for each specific category.

\* = Sample contains fruiting structures and/or hyphae associated with the spores.

Steve Grise, Laboratory Manager  
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