



# EMSL Analytical, Inc.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492  
Phone/Fax: (203) 284-5948 / (203) 284-5978  
<http://www.EMSL.com> / [wallingfordlab@emsl.com](mailto:wallingfordlab@emsl.com)

Order ID: 241805885  
Customer ID: TIGH62  
Customer PO:  
Project ID: Stamford Mold Task

**Attn:** Kevin McCarthy  
Tighe & Bond  
213 Court Street  
Suite 1100  
Middletown, CT 06457

Phone: (860) 704-4760  
Fax: (860) 704-4775  
Collected:  
Received: 11/08/2018  
Analyzed: 11/08/2018

**Proj:** 28-2087-033/ STAMFORD MOLD TASK FORCE, WESTHILL HIGH SCHOOL (Stamford Mold Task Force)

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

Lab Sample Number:	241805885-0005	241805885-0006	241805885-0007	241805885-0008	241805885-0009
Client Sample ID:	WH-05	WH-06	WH-07	WH-08	WH-09
Sample Location:	Room 430- unit ventilator insulation	Room 408- rear corner- duct insulation	200s penthouse- unit AC-1- fiberglass insulation	200s penthouse- unit AC-2- fiberglass insulation	400s penthouse- unit AC-4- fiberglass insulation
Spore Types	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	-	-	-	-	-
Ascospores	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	-
Basidiospores	-	-	-	-	-
Bipolaris++	-	-	-	-	-
Chaetomium	-	-	-	-	-
Cladosporium	-	-	Low	*Low*	-
Curvularia	-	-	-	Rare	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	-	-	-	-	-
Pithomyces++	-	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Torula-like	-	-	-	-	-
Hyphal Fragment	-	-	-	Low	-
Insect Fragment	-	-	-	-	-
Pollen	-	-	Low	Medium	Low
Fibrous Particulate	High	High	High	Medium	Medium

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.

Gloria V. Oriol, Microbiology Manager  
or Other Approved Signatory

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

Samples received in good condition unless otherwise noted. EMSL maintains liability limited to cost of analysis. 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. Interpretation of the data contained in this report is the responsibility of the client.

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT AIHA-LAP, LLC--EMLAP Accredited #165118

Initial report from: 11/09/2018 08:58:20

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.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492  
Phone/Fax: (203) 284-5948 / (203) 284-5978  
<http://www.EMSL.com> / [wallingfordlab@emsl.com](mailto:wallingfordlab@emsl.com)

Order ID: 241805885  
Customer ID: TIGH62  
Customer PO:  
Project ID: Stamford Mold Task

**Attn:** Kevin McCarthy  
Tighe & Bond  
213 Court Street  
Suite 1100  
Middletown, CT 06457

Phone: (860) 704-4760  
Fax: (860) 704-4775  
Collected:  
Received: 11/08/2018  
Analyzed: 11/08/2018

**Proj:** 28-2087-033/ STAMFORD MOLD TASK FORCE, WESTHILL HIGH SCHOOL (Stamford Mold Task Force)

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

Lab Sample Number:	241805885-0010	241805885-0011	241805885-0012	241805885-0013	241805885-0014
<b>Client Sample ID:</b>	WH-10	WH-11	WH-12	WH-13	WH-14
<b>Sample Location:</b>	600s hall by teacher's prep-supply air diffuser	Room 513- supply air diffuser	Room 511- supply air diffuser	Hall by 321- pipe insulation cover	Math department copy room-duct canvas
<b>Spore Types</b>	<b>Category</b>	<b>Category</b>	<b>Category</b>	<b>Category</b>	<b>Category</b>
Alternaria (Ulocladium)	-	-	-	-	-
Ascospores	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	*High*	-
Basidiospores	Rare	-	-	-	-
Bipolaris++	-	-	-	-	-
Chaetomium	-	-	-	-	-
Cladosporium	-	*Medium*	*Medium*	*Medium*	Rare
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	Rare	-	-	-	-
Pithomyces++	Rare	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Torula-like	Rare	-	-	-	-
Hyphal Fragment	Rare	Low	Low	Low	-
Insect Fragment	-	-	-	-	-
Pollen	-	-	-	-	-
Fibrous Particulate	Low	-	Low	-	-

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.

Gloria V. Oriol, Microbiology Manager  
or Other Approved Signatory

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

Samples received in good condition unless otherwise noted. EMSL maintains liability limited to cost of analysis. 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. Interpretation of the data contained in this report is the responsibility of the client.

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT AIHA-LAP, LLC--EMLAP Accredited #165118

Initial report from: 11/09/2018 08:58:20

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.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492  
Phone/Fax: (203) 284-5948 / (203) 284-5978  
<http://www.EMSL.com> / [wallingfordlab@emsl.com](mailto:wallingfordlab@emsl.com)

Order ID: 241805885  
Customer ID: TIGH62  
Customer PO:  
Project ID: Stamford Mold Task

**Attn:** Kevin McCarthy  
Tighe & Bond  
213 Court Street  
Suite 1100  
Middletown, CT 06457

Phone: (860) 704-4760  
Fax: (860) 704-4775  
Collected:  
Received: 11/08/2018  
Analyzed: 11/08/2018

**Proj:** 28-2087-033/ STAMFORD MOLD TASK FORCE, WESTHILL HIGH SCHOOL (Stamford Mold Task Force)

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

Lab Sample Number:	241805885-0015	241805885-0016	241805885-0017	241805885-0018	241805885-0019
Client Sample ID:	WH-15	WH-16	WH-17	WH-18	WH-19
Sample Location:	Room 214- supply air diffuser	Room 214- bookcase	Fitness room- supply air diffuser	PE office- supply air diffuser	Room 222- ceiling tile
Spore Types	Category	Category	Category	Category	Category
Alternaria (Ulocladium)	-	-	Rare	-	-
Ascospores	-	-	-	-	-
Aspergillus/Penicillium	-	-	-	-	*Low*
Basidiospores	-	-	-	-	-
Bipolaris++	-	-	-	-	-
Chaetomium	-	-	-	-	-
Cladosporium	*Low*	-	Rare	-	-
Curvularia	-	-	-	Rare	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	-	-	-	-	-
Pithomyces++	-	-	-	Rare	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Torula-like	-	-	-	-	-
Hyphal Fragment	Rare	-	Rare	-	Rare
Insect Fragment	-	-	-	-	-
Pollen	-	-	-	Rare	-
Fibrous Particulate	-	Low	Low	Low	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.

Gloria V. Oriol, Microbiology Manager  
or Other Approved Signatory

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

Samples received in good condition unless otherwise noted. EMSL maintains liability limited to cost of analysis. 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. Interpretation of the data contained in this report is the responsibility of the client.

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT AIHA-LAP, LLC--EMLAP Accredited #165118

Initial report from: 11/09/2018 08:58:20

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.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492  
Phone/Fax: (203) 284-5948 / (203) 284-5978  
<http://www.EMSL.com> / [wallingfordlab@emsl.com](mailto:wallingfordlab@emsl.com)

Order ID: 241805885  
Customer ID: TIGH62  
Customer PO:  
Project ID: Stamford Mold Task

**Attn:** Kevin McCarthy  
Tighe & Bond  
213 Court Street  
Suite 1100  
Middletown, CT 06457  
**Phone:** (860) 704-4760  
**Fax:** (860) 704-4775  
**Collected:**  
**Received:** 11/08/2018  
**Analyzed:** 11/08/2018  
**Proj:** 28-2087-033/ STAMFORD MOLD TASK FORCE, WESTHILL HIGH SCHOOL (Stamford Mold Task Force)

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

Lab Sample Number:	241805885-0020	241805885-0021	241805885-0022		
Client Sample ID:	WH-20	WH-21	WH-22		
Sample Location:	Boy's locker room- supply air diffuser	Varsity locker room- ceiling (plaster)	Head house lab- supply air diffuser		
Spore Types	Category	Category	Category	-	-
Alternaria (Ulocladium)	-	-	-	-	-
Ascospores	-	-	-	-	-
Aspergillus/Penicillium	Low	-	-	-	-
Basidiospores	-	-	-	-	-
Bipolaris++	-	-	-	-	-
Chaetomium	-	-	-	-	-
Cladosporium	-	-	-	-	-
Curvularia	-	-	-	-	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	-	-	-	-	-
Pithomyces++	-	-	-	-	-
Rust	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Torula-like	-	-	-	-	-
Hyphal Fragment	-	-	Rare	-	-
Insect Fragment	-	-	-	-	-
Pollen	-	-	-	-	-
Fibrous Particulate	Low	Low	Low	-	-

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.

Gloria V. Oriol, Microbiology Manager  
or Other Approved Signatory

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

Samples received in good condition unless otherwise noted. EMSL maintains liability limited to cost of analysis. 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. Interpretation of the data contained in this report is the responsibility of the client.

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT AIHA-LAP, LLC--EMLAP Accredited #165118

Initial report from: 11/09/2018 08:58:20

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.

29 North Plains Highway, Unit # 4 Wallingford, CT 06492  
Phone/Fax: (203) 284-5948 / (203) 284-5978  
<http://www.EMSL.com> / [wallingfordlab@emsl.com](mailto:wallingfordlab@emsl.com)

Order ID: 241805885  
Customer ID: TIGH62  
Customer PO:  
Project ID: Stamford Mold Task

**Attn:** Kevin McCarthy  
Tighe & Bond  
213 Court Street  
Suite 1100  
Middletown, CT 06457

Phone: (860) 704-4760  
Fax: (860) 704-4775  
Collected:  
Received: 11/08/2018  
Analyzed: 11/08/2018

**Proj:** 28-2087-033/ STAMFORD MOLD TASK FORCE, WESTHILL HIGH SCHOOL (Stamford Mold Task Force)

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

Lab Sample Number:	241805885-0001	241805885-0002	241805885-0003	241805885-0004	
Client Sample ID:	WH-01	WH-02	WH-03	WH-04	
Sample Location:	Room 615- ceiling tile	Room 606- supply air diffuser	Room 430- supply air diffuser	Room 415- supply air diffuser	
Spore Types	Category	Category	Category	Category	-
Alternaria (Ulocladium)	-	Rare	-	-	-
Ascospores	-	-	-	-	-
Aspergillus/Penicillium	-	-	Rare	-	-
Basidiospores	Low	-	-	-	-
Bipolaris++	-	Rare	-	-	-
Chaetomium	-	-	-	-	-
Cladosporium	-	*High*	Rare	*High*	-
Curvularia	-	Low	-	-	-
Epicoccum	-	-	-	-	-
Fusarium	-	-	-	-	-
Ganoderma	-	-	-	-	-
Myxomycetes++	-	Low	-	-	-
Pithomyces++	-	Low	-	-	-
Rust	-	Rare	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-
Zygomycetes	-	-	-	-	-
Torula-like	-	-	-	-	-
Hyphal Fragment	-	High	-	High	-
Insect Fragment	-	-	-	-	-
Pollen	-	Rare	-	-	-
Fibrous Particulate	-	Medium	-	-	-

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.

Gloria V. Oriol, Microbiology Manager  
or Other Approved Signatory

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

Samples received in good condition unless otherwise noted. EMSL maintains liability limited to cost of analysis. 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. Interpretation of the data contained in this report is the responsibility of the client.

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT AIHA-LAP, LLC--EMLAP Accredited #165118

Report amended: 11/09/2018 11:36:32 Replaces initial report from:11/09/2018 08:58:20 Reason Code: Data Entry-Change to Appearance

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

241805885

213 Court Street, Suite 1100, Middletown, CT 06457

Phone 860-704-4760

**SAMPLE LOG FOR MICROBIAL ANALYSIS**

Sheet 1 of 2

Project Name: Stamford Mold Task Force

Project No. 28-2087-033

Building: Westhill High School

Project Manager: McCarthy

Sample ID	Sample Type	Sample Location	Material
WH-01	Tape Lift	Room 615	Ceiling Tile
WH-02	Tape Lift	Room 606	Supply Air Diffuser
WH-03	Tape Lift	Room 430	Supply Air Diffuser
WH-04	Tape Lift	Room 415	Supply Air Diffuser
WH-05	Bulk	Room 430	Unit Ventilator Insulation
WH-06	Bulk	Room 408 - Rear Corner	Duct Insulation
WH-07	Bulk	200s Penthouse - Unit AC-1	Fiberglass Insulation
WH-08	Bulk	200s Penthouse - Unit AC-2	Fiberglass Insulation
WH-09	Bulk	400s Penthouse - Unit AC-4	Fiberglass Insulation
WH-10	Swab	600s Hall by Teacher's Prep	Supply Air Diffuser
WH-11	Swab	Room 513	Supply Air Diffuser
WH-12	Swab	Room 511	Supply Air Diffuser
WH-13	Swab	Hall by 321	Pipe Insulation Cover
WH-14	Swab	Math Department Copy Room	Duct Canvas
WH-15	Swab	Room 214	Supply Air Diffuser
WH-16	Swab	Room 214	Bookcase

Analysis Method:  M041  Other

Turnaround Time 24 hr

Based on the turnaround time indicated above, analyses are due to Tighe & Bond, Inc. on or before this date: \_\_\_\_\_  
Please call the office if analyses will be late at 860-704-4760.

Email Results to: kmccarthy@tighebond.com **Do Not Mail Hard Copy Report** Total # of Samples: 22

Special Instructions: M041 Analysis - Fungal Direct Identification. Note Project Specific Sample Rates

Samples collected by: Phillip Hutter Date: 11/6 - 11/7/18 Time: \_\_\_\_\_

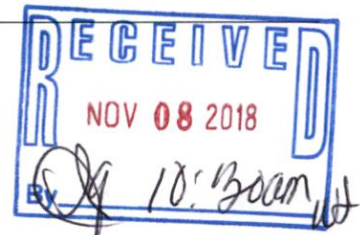
Samples [Rec'd][Sent by] [Phillip Hutter] Date: [11/8/18] Time: 10:27

Samples Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Shipped To:  EMSL State \_\_\_\_\_

Other \_\_\_\_\_

Method of Shipment:  Fed Ex  Other hand delivery



241805885

**SAMPLE LOG FOR MICROBIAL ANALYSIS**

Sheet 2 of 2

Project Name: Stamford Mold Task Force

Project No. 28-2087-033

Building: Westhill High School

Project Manager: McCarthy

Sample ID	Sample Type	Sample Location	Material
WH-17	Swab	Fitness Room	Supply Air Diffuser
WH-18	Swab	PE Office	Supply Air Diffuser
WH-19	Swab	Room 222	Ceiling Tile
WH-20	Swab	Boy's Locker room	Supply Air Diffuser
WH-21	Swab	Varsity Locker Room	Ceiling (Plaster)
WH-22	Swab	Head House Lab	Supply Air Diffuser

