

Ewing High School

Indoor Air Quality testing results.



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-0262
<http://www.EMSL.com/cinnmicrolab@emsl.com>

EMSL Order: 372603272
Customer ID: HILL50E
Customer PO: PH-4354
Project ID:

Attention: Eric Thom
Hillmann Consulting, LLC
304 Harper Drive
Moorestown, NJ 08057

Phone: (908) 721-2302
Fax:
Collected Date: 03/09/2026
Received Date: 03/09/2026 04:50 PM
Analyzed Date: 03/10/2026

Project: McBrearty - Ewing HS

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:	372603272-0001 PH-4354-01 75			372603272-0002 PH-4354-02 75			372603272-0003 PH-4354-03 75		
	Main Cafeteria			Senior Cafeteria			Music Room		
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	1	40	2.9	1	40	3	-	-	-
Aspergillus/Penicillium++	9	400	29	3	100	7.6	14	570	33.7
Basidiospores	22	900	65.2	28	1100	83.3	12	490	29
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	2.9	2	80	6.1	15	610	36.1
Curvularia	-	-	-	-	-	-	1	10*	0.6
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	1	10*	0.6
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Yeast	-	-	-	-	-	-	-	-	-
Total Fungi	33	1380	100	34	1320	100	43	1690	100
Hyphal Fragment	-	-	-	-	-	-	2	80	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	2	-

† 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.

Liz Hagenbuch, M.S., Microbiology Manager
or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA LAP, LLC-EMLAP Accredited #100194

Initial report from: 03/10/2026 01:05 PM

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Project: McBrearty - Ewing HS

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

Lab Sample Number:	372603272-0004	372603272-0005	372603272-0006
Client Sample ID:	PH-4354-04	PH-4354-05	PH-4354-06
Volume (L):	75	75	75
Sample Location:	Ceramics 132 / Kiln Room	Room 135 / Prep Room	Arts & Business Hallway (130-135)
Spore Types	Raw Count† Count/m³ % of Total	Raw Count† Count/m³ % of Total	Raw Count† Count/m³ % of Total
Alternaria (Ulocladium)	- - -	- - -	- - -
Ascospores	- - -	1 40 3.3	- - -
Aspergillus/Penicillium++	10 410 36.3	1 40 3.3	2 80 9.9
Basidiospores	10 410 36.3	27 1100 90.2	16 650 80.2
Bipolaris++	- - -	- - -	- - -
Chaetomium++	- - -	- - -	- - -
Cladosporium	7 300 26.5	1 40 3.3	2 80 9.9
Curvularia	- - -	- - -	- - -
Epicoccum	- - -	- - -	- - -
Fusarium++	- - -	- - -	- - -
Ganoderma	- - -	- - -	- - -
Myxomycetes++	1 10* 0.9	- - -	- - -
Pithomyces++	- - -	- - -	- - -
Rust	- - -	- - -	- - -
Scopulariopsis/Microascus	- - -	- - -	- - -
Stachybotrys/Memnoniella	- - -	- - -	- - -
Unidentifiable Spores	- - -	- - -	- - -
Zygomycetes	- - -	- - -	- - -
Yeast	- - -	- - -	- - -
Total Fungi	28 1130 100	30 1220 100	20 810 100
Hyphal Fragment	- - -	- - -	- - -
Insect Fragment	- - -	- - -	- - -
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)	- 1 -	- 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.

Liz Hagenbuch, M.S., Microbiology Manager
or other Approved Signatory

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Project: McBrearty - Ewing HS

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:	372603272-0007 PH-4354-07 75			372603272-0008 PH-4354-08 75			372603272-0009 PH-4354-09 75		
	Auditorium / Gym Hallway			2nd Floor Social Studies Hallway (210-214)			Outside - Parking Lot		
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	11	450	25.1	-	-	-	10	410	1.8
Aspergillus/Penicillium++	9	400	22.3	6	200	55.6	7	300	1.4
Basidiospores	20	820	45.8	2	80	22.2	131(524)	21400	96.4
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	1	40	2.2	2	80	22.2	3	100	0.5
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Yeast	2	80	4.5	-	-	-	-	-	-
Total Fungi	43	1790	100	10	360	100	544	22210	100
Hyphal Fragment	1	10*	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	2	-	-	2	-

† 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.

Liz Hagenbuch, M.S., Microbiology Manager
 or other Approved Signatory

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Project: McBrearty - Ewing HS

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

Lab Sample Number:	372603272-0010				
Client Sample ID:	PH-4354-10				
Volume (L):	75				
Sample Location:	Outside - Parking Lot				
Spore Types	Raw Count†	Count/m³	% of Total		
Alternaria (Ulocladium)	-	-	-		
Ascospores	8	300	0.8		
Aspergillus/Penicillium++	14	570	1.4		
Basidiospores	156(936)	38200	96.8		
Bipolaris++	-	-	-		
Chaetomium++	-	-	-		
Cladosporium	9	400	1		
Curvularia	-	-	-		
Epicoccum	-	-	-		
Fusarium++	-	-	-		
Ganoderma	-	-	-		
Myxomycetes++	-	-	-		
Pithomyces++	-	-	-		
Rust	-	-	-		
Scopulariopsis/Microascus	-	-	-		
Stachybotrys/Memnoniella	-	-	-		
Unidentifiable Spores	-	-	-		
Zygomycetes	-	-	-		
Yeast	-	-	-		
Total Fungi	967	39470	100		
Hyphal Fragment	1	40	-		
Insect Fragment	-	-	-		
Pollen	1	10*	-		
Analyt. Sensitivity 600x	-	41	-		
Analyt. Sensitivity 300x	-	13*	-		
Skin Fragments (1-4)	-	2	-		
Fibrous Particulate (1-4)	-	1	-		
Background (1-5)	-	2	-		

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Fisher Middle School

Indoor Air Quality testing results.



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Analyzed Date: 03/10/2026

Project: McBrearty - Fisher MS, Ewing NJ

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:	372603271-0001 PH-4353-01 75			372603271-0002 PH-4353-02 75			372603271-0003 PH-4353-03 75		
	Entrance Hallway			Boys Locker Room			Room A9		
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	3	100	1.9	8	400	12.7	-	-	-
Aspergillus/Penicillium++	2	90	1.7	-	-	-	-	-	-
Basidiospores	106	4680	87.3	62	2700	85.7	19	840	100
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	11	490	9.1	-	-	-	-	-	-
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	1	10*	0.3	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	1	40	1.3	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Peronospora++	-	-	-	-	-	-	-	-	-
Total Fungi	122	5360	100	72	3150	100	19	840	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	2	30*	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	1	-	-	1	-

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Project: McBrearty - Fisher MS, Ewing NJ

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:	372603271-0004 PH-4353-04 45			372603271-0005 PH-4353-05 75			372603271-0006 PH-4353-06 75		
	Room A4			A Hallway			Room A13		
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	11	490	34.8	1	10*	1.3
Aspergillus/Penicillium++	-	-	-	1	40	2.8	2	90	11.5
Basidiospores	22	1600	95.8	18	800	56.7	13	570	73.1
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	1	40	2.8	3	100	12.8
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	1	70	4.2	1	40	2.8	1	10*	1.3
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Peronospora++	-	-	-	-	-	-	-	-	-
Total Fungi	23	1670	100	32	1410	100	20	780	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	74	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	22*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	2	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	2	-	-	2	-

† 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.

Liz Hagenbuch, M.S., Microbiology Manager
 or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA LAP, LLC-EMLAP Accredited #100194

Initial report from: 03/10/2026 03:39 PM

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EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
 Tel/Fax: (800) 220-3675 / (856) 786-0262
<http://www.EMSL.com/cinnmicrolab@emsl.com>

EMSL Order: 372603271
 Customer ID: HILL50E
 Customer PO: PH-4353
 Project ID:

Attention: Eric Thom
 Hillmann Consulting, LLC
 304 Harper Drive
 Moorestown, NJ 08057

Phone: (908) 721-2302
Fax:
Collected Date: 03/09/2026
Received Date: 03/09/2026 04:50 PM
Analyzed Date: 03/10/2026

Project: McBrearty - Fisher MS, Ewing NJ

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:	372603271-0007 PH-4353-07 75			372603271-0008 PH-4353-08 75			372603271-0009 PH-4353-09 75		
	Room D9			Room D13			D Hallway		
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	-	-	-	1	40	5	-	-	-
Aspergillus/Penicillium++	-	-	-	-	-	-	2	90	8.8
Basidiospores	4	200	100	17	750	93.8	20	880	86.3
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	1	10*	1.3	-	-	-
Cladosporium	-	-	-	-	-	-	1	40	3.9
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	1	10*	1
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Peronospora++	-	-	-	-	-	-	-	-	-
Total Fungi	4	200	100	19	800	100	24	1020	100
Hyphal Fragment	-	-	-	1	10*	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	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.

Liz Hagenbuch, M.S., Microbiology Manager
 or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA LAP, LLC-EMLAP Accredited #100194

Initial report from: 03/10/2026 03:39 PM

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200 Route 130 North Cinnaminson, NJ 08077
 Tel/Fax: (800) 220-3675 / (856) 786-0262
<http://www.EMSL.com/cinnmicrolab@emsl.com>

EMSL Order: 372603271
 Customer ID: HILL50E
 Customer PO: PH-4353
 Project ID:

Attention: Eric Thom
 Hillmann Consulting, LLC
 304 Harper Drive
 Moorestown, NJ 08057

Phone: (908) 721-2302
Fax:
Collected Date: 03/09/2026
Received Date: 03/09/2026 04:50 PM
Analyzed Date: 03/10/2026

Project: McBrearty - Fisher MS, Ewing NJ

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

Lab Sample Number:	372603271-0010	372603271-0011	
Client Sample ID:	PH-4353-10	PH-4353-11	
Volume (L):	75	75	
Sample Location:	Outside - Parking Lot	Outside - Parking Lot	
Spore Types	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-
Ascospores	7	300	4.7
Aspergillus/Penicillium++	-	-	-
Basidiospores	112(123)	5440	86.1
Bipolaris++	-	-	-
Chaetomium++	-	-	-
Cladosporium	13	570	9
Curvularia	-	-	-
Epicoccum	-	-	-
Fusarium++	-	-	-
Ganoderma	-	-	-
Myxomycetes++	-	-	-
Pithomyces++	-	-	-
Rust	-	-	-
Scopulariopsis/Microascus	-	-	-
Stachybotrys/Memnoniella	-	-	-
Unidentifiable Spores	-	-	-
Zygomycetes	-	-	-
Peronospora++	1	10*	0.2
Total Fungi	144	6320	100
Hyphal Fragment	-	-	-
Insect Fragment	-	-	-
Pollen	1	10*	-
Analyt. Sensitivity 600x	-	44	-
Analyt. Sensitivity 300x	-	13*	-
Skin Fragments (1-4)	-	1	-
Fibrous Particulate (1-4)	-	1	-
Background (1-5)	-	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.

Liz Hagenbuch, M.S., Microbiology Manager
 or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA LAP, LLC-EMLAP Accredited #100194

Initial report from: 03/10/2026 03:39 PM

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Antheil Elementary School

Indoor Air Quality testing results.



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200 Route 130 North Cinnaminson, NJ 08077
 Tel/Fax: (800) 220-3675 / (856) 786-0262
<http://www.EMSL.com/cinnmicrolab@emsl.com>

EMSL Order: 372603088

Customer ID: Hill50E

Customer PO: PH-4347

Project ID:

Attention: Anya O'Keefe
 Hillmann Consulting, LLC
 304 Harper Drive
 Moorestown, NJ 08057

Phone: (908) 721-2302

Fax:

Collected Date: 03/05/2026

Received Date: 03/05/2026 12:00 PM

Analyzed Date: 03/05/2026

Project: PH-4347- McBrearty- Anthel ES

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:	372603088-0001 PH-4347-01 75 Cafeteria A			372603088-0002 PH-4347-02 75 Room 69			372603088-0003 PH-4347-03 75 Room 51		
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	1	40	2.1
Ascospores	1	40	3.9	-	-	-	-	-	-
Aspergillus/Penicillium++	-	-	-	1	10*	100	42	1700	89.9
Basidiospores	24	990	96.1	-	-	-	1	40	2.1
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	1	40	2.1
Curvularia	-	-	-	-	-	-	1	40	2.1
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	1	10*	0.5
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	1	10*	0.5
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	1	10*	0.5
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	25	1030	100	1	10	100	49	1890	100
Hyphal Fragment	1	10*	-	1	10*	-	2	30*	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	1	-	-	2	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	1	-	-	2	-

† 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.

Liz Hagenbuch, M.S., Microbiology Manager
 or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA LAP, LLC-EMLAP Accredited #100194

Report Amended: 03/06/2026 12:36 PM Replaces initial report from: 03/06/2026 12:16 PM Reason Code Data Entry-Change to Location

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200 Route 130 North Cinnaminson, NJ 08077
 Tel/Fax: (800) 220-3675 / (856) 786-0262
<http://www.EMSL.com/cinnmicrolab@emsl.com>

EMSL Order: 372603088

Customer ID: Hill50E

Customer PO: PH-4347

Project ID:

Attention: Anya O'Keefe
 Hillmann Consulting, LLC
 304 Harper Drive
 Moorestown, NJ 08057

Phone: (908) 721-2302

Fax:

Collected Date: 03/05/2026

Received Date: 03/05/2026 12:00 PM

Analyzed Date: 03/05/2026

Project: PH-4347- McBrearty- Antheil ES

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

Lab Sample Number:	372603088-0004			372603088-0005			372603088-0006		
Client Sample ID:	PH-4347-04			PH-4347-05			PH-4347-06		
Volume (L):	75			75			75		
Sample Location:	Room 46			Outside Ref. #1			Outside Ref. #2		
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	1	10*	0.4
Ascospores	-	-	-	35	1400	42.4	13	530	21.4
Aspergillus/Penicillium++	1	40	30.8	12	490	14.8	1	40	1.6
Basidiospores	1	40	30.8	35	1400	42.4	47	1900	76.6
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	-	-	-	-	-	-
Curvularia	1	40	30.8	-	-	-	-	-	-
Epicoccum	1	10*	7.7	1	10*	0.3	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	4	130	100	83	3300	100	62	2480	100
Hyphal Fragment	3	40*	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	1	10*	-	-	-	-	1	10*	-
Analyt. Sensitivity 600x	-	41	-	-	41	-	-	41	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	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.

Liz Hagenbuch, M.S., Microbiology Manager
 or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA LAP, LLC-EMLAP Accredited #100194

Report Amended: 03/06/2026 12:36 PM Replaces initial report from: 03/06/2026 12:16 PM Reason Code Data Entry-Change to Location

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Antheil Elementary School

Secondary Indoor Air Quality testing results.



EMSL Analytical, Inc.

1056 Stelton Road Piscataway, NJ 08854

Tel/Fax: (732) 981-0550 / (732) 981-0551

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

EMSL Order: 052601395

Customer ID: HILL50E

Customer PO: PH-4347

Project ID:

Attention: Anya O'Keefe
Hillmann Consulting, LLC
304 Harper Drive
Moorestown, NJ 08057

Phone: (908) 721-2302
Fax:
Collected Date: 03/11/2026
Received Date: 03/12/2026 09:15 AM
Analyzed Date: 03/12/2026

Project: PH-4347-McBrearty - Anthel ES - Room 51

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

Lab Sample Number:	052601395-0003			052601395-0004			052601395-0005		
Client Sample ID:	PH-4347-09			PH-4347-10			PH-4347-11		
Volume (L):	75			75			75		
Sample Location:	Classroom 51			Outside Ref #1			Outside Ref #2		
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	1	40	12.1	-	-	-	-	-	-
Ascospores	-	-	-	4	200	3.1	7	300	3
Aspergillus/Penicillium++	2	90	27.3	14	610	9.4	14	610	6.2
Basidiospores	4	200	60.6	100(110)	4800	74.1	104(191)	8340	84.6
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	-	-	-	18	790	12.2	14	610	6.2
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	1	40	0.6	-	-	-
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	1	40	0.6	-	-	-
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Total Fungi	7	330	100	148	6480	100	226	9860	100
Hyphal Fragment	-	-	-	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	1	-	-	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.

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

Nicholas Maslowski, Microbiology Laboratory Manager
or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Piscataway, NJ AIHA LAP, LLC-EMLAP Accredited #167035

Initial report from: 03/12/2026 05:15 PM

For information on the fungi listed in this report, please visit the Resources section at www.emsl.com



EMSL Analytical, Inc.

1056 Stelton Road Piscataway, NJ 08854

Tel/Fax: (732) 981-0550 / (732) 981-0551

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

EMSL Order: 052601395

Customer ID: HILL50E

Customer PO: PH-4347

Project ID:

Attention: Anya O'Keefe
Hillmann Consulting, LLC
304 Harper Drive
Moorestown, NJ 08057

Phone: (908) 721-2302

Fax:

Collected Date: 03/11/2026

Received Date: 03/12/2026

Analyzed Date: 03/12/2026

Project: PH-4347-McBrearty - Anthel ES - Room 51

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

Lab Sample Number:	052601395-0001	052601395-0002			
Client Sample ID:	PH-4347-07	PH-4347-08			
Sample Location:	Pipe Wrap In Plenum Adj - Pipe Chase On Perimeter Wall	Wooden Cabinetry Beneath Sink - Left Corner Staining			
Spore Types	Category	Category			
Alternaria (Ulocladium)	-	-			
Ascospores	-	-			
Aspergillus/Penicillium++	-	Medium			
Basidiospores	-	-			
Bipolaris++	-	-			
Chaetomium++	-	*High*			
Cladosporium	*Medium*	-			
Curvularia	-	-			
Epicoccum	-	-			
Fusarium++	-	-			
Ganoderma	-	-			
Myxomycetes++	-	-			
Pithomyces++	-	-			
Rust	-	-			
Scopulariopsis/Microascus	-	-			
Stachybotrys/Memnoniella	-	-			
Unidentifiable Spores	-	-			
Zygomycetes	-	-			
Penicillium/Talaromyces	*Low*	-			
Hyphal Fragment	-	-			
Insect Fragment	-	-			
Pollen	-	-			
Fibrous Particulate	Rare	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.

Nicholas Maslowski, Microbiology Lab 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. Piscataway, NJ AIHA LAP, LLC-EMLAP Accredited #167035

Initial report from: 03/12/2026 05:15 PM

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Test Report DEVER1-2.9.0 Printed 03/12/2026 05:15 PM

Page 1 of 1

Lore Elementary School

Secondary Indoor Air Quality testing results.



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
 Tel/Fax: (800) 220-3675 / (856) 786-0262
<http://www.EMSL.com / cinnmicrolab@emsl.com>

EMSL Order: 372603270

Customer ID: HILL50E

Customer PO: PH-4355

Project ID:

Attention: Eric Thom

Hillmann Consulting, LLC

304 Harper Drive

Moorestown, NJ 08057

Phone: (908) 721-2302

Fax:

Collected Date: 03/09/2026

Received Date: 03/09/2026 04:50 PM

Analyzed Date: 03/10/2026

Project: McBrearty - Lore ES, Ewing NJ

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:	372603270-0001 PH-4355-01 75			372603270-0002 PH-4355-02 75			372603270-0003 PH-4355-03 75		
	Room 1 / Pre-K			Kindergarten-1st Grade Hallway			2nd-3rd Grade Hallway		
Spore Types	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-	-	-	-	-	-	-
Ascospores	1	40	4.5	1	40	2.4	-	-	-
Aspergillus/Penicillium++	1	40	4.5	-	-	-	-	-	-
Basidiospores	16	710	79.8	28	1200	73.2	43	1900	77.9
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium++	-	-	-	-	-	-	-	-	-
Cladosporium	1	10*	1.1	7	300	18.3	11	490	20.1
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	1	10*	0.6	1	10*	0.4
Fusarium++	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	2	90	10.1	2	90	5.5	1	40	1.6
Pithomyces++	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis/Microascus	-	-	-	-	-	-	-	-	-
Stachybotrys/Memnoniella	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Paecilomyces++	-	-	-	-	-	-	-	-	-
Total Fungi	21	890	100	39	1640	100	56	2440	100
Hyphal Fragment	-	-	-	1	40	-	1	40	-
Insect Fragment	-	-	-	-	-	-	-	-	-
/ Pollen	-	-	-	-	-	-	1	10*	-
Analyt. Sensitivity 600x	-	44	-	-	44	-	-	44	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	1	-	-	2	-	-	2	-
Fibrous Particulate (1-4)	-	2	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	2	-	-	2	-

† 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.

Liz Hagenbuch, M.S., Microbiology Manager
or other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ AIHA LAP, LLC-EMLAP Accredited #100194

Initial report from: 03/10/2026 03:35 PM

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EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-0262

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

EMSL Order: 372603270

Customer ID: HILL50E

Customer PO: PH-4355

Project ID:

Attention: Eric Thom
Hillmann Consulting, LLC
304 Harper Drive
Moorestown, NJ 08057

Phone: (908) 721-2302

Fax:

Collected Date: 03/09/2026

Received Date: 03/09/2026 04:50 PM

Analyzed Date: 03/10/2026

Project: McBrearty - Lore ES, Ewing NJ

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

Lab Sample Number:	372603270-0004	372603270-0005	
Client Sample ID:	PH-4355-04	PH-4355-05	
Volume (L):	75	75	
Sample Location:	Outside - Parking Lot	Outside - Parking Lot	
Spore Types	Raw Count†	Count/m³	% of Total
Alternaria (Ulocladium)	-	-	-
Ascospores	4	200	3
Aspergillus/Penicillium++	7	300	4.6
Basidiospores	115(127)	5610	85.5
Bipolaris++	-	-	-
Chaetomium++	-	-	-
Cladosporium	10	440	6.7
Curvularia	-	-	-
Epicoccum	-	-	-
Fusarium++	-	-	-
Ganoderma	-	-	-
Myxomycetes++	-	-	-
Pithomyces++	-	-	-
Rust	-	-	-
Scopulariopsis/Microascus	-	-	-
Stachybotrys/Memnoniella	-	-	-
Unidentifiable Spores	1	10*	0.2
Zygomycetes	-	-	-
Paecilomyces++	-	-	-
Total Fungi	149	6560	100
Hyphal Fragment	-	-	-
Insect Fragment	-	-	-
Pollen	-	-	-
Analyt. Sensitivity 600x	-	44	-
Analyt. Sensitivity 300x	-	13*	-
Skin Fragments (1-4)	-	1	-
Fibrous Particulate (1-4)	-	1	-
Background (1-5)	-	2	-

† 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.

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