



LRC Indoor Testing and Research
 200 Commonwealth Ct, Suite 101
 Cary, NC 27511
 (919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
 Ian Adams
 3020 S Wrightsville Ave.
 Nags Head, NC

Project #: 25-1414
Project Location: Kitty Hawk Elementary
 16 S Dogwood Trail
 Kitty Hawk, NC
Project Type: IAQ
PO/Claim #: -

Table 1: Non-Viable Air Samples

Date Collected:	4/20/25	4/20/25	4/20/25	4/20/25	4/20/25
	1	2	3	4	5
Spore Identification	Office	Media Center	D120	D112	D129
<i>Cladosporium</i>	40	53	-	13	27
Ascospores	13	13	13	13	-
Basidiospores ²	-	13	27	-	-
Smuts, <i>Periconia</i> , <i>Myxomycetes</i> ⁴	13	13	-	-	-
<i>Penicillium/Aspergillus</i> Group ¹	27	53	-	-	-
Hyphal Elements ³	13	13	-	-	13
<i>Alternaria</i>	-	-	-	-	-
<i>Curvularia</i>	-	-	-	-	-
<i>Epicoccum</i>	-	-	-	-	-
<i>Cercospora</i>	-	-	-	-	-
<i>Arthrimum</i>	-	-	-	-	-
Clear Brown	-	-	-	-	-
Colorless	-	-	-	-	-
Trichocladium	-	-	-	-	-
Unidentified	-	13	-	-	-
<i>Ulocladium</i>	-	-	-	-	-
Torula	-	-	-	-	-
Pithomyces	-	-	-	-	-
Rust ⁵	-	-	-	-	-
<i>Drechslera/Bipolaris</i>	27	-	-	-	-
<i>Tetraploa</i>	-	-	-	-	-
<i>Chaetomium</i>	-	-	-	-	-
<i>Stachybotrys</i>	-	-	-	-	-
	-	-	-	-	-
Total Spores/m³	133	173	40	27	40
Particulate Level	low-moderate	moderate	low	low	low
Date Analyzed:	5/1/25	5/1/25	5/1/25	5/1/25	5/1/25

The results reported by LRC are a record of the microbes identified by our laboratory staff. We assume responsibility over analysis conducted in the laboratory, but cannot assume responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. Any information given other than microbial information, is provided as general reference information from published sources and is not an extension of liability to LRC.



Analyzed by: Cathy A. Richmond, B.S.

LRC Indoor Testing and Research

200 Commonwealth Ct, Suite 101

Cary, NC 27511

(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis



LRC Indoor Testing and Research
 200 Commonwealth Ct, Suite 101
 Cary, NC 27511
 (919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags Head, NC

–

Project #: 25-1414

Project Location: Kitty Hawk Elementary

16 S Dogwood Trail

Kitty Hawk, NC

Project Type: IAQ

PO/Claim #: –

Table 1: Non-Viable Air Samples

Date Collected:	4/20/25	4/20/25	4/20/25	4/20/25	4/20/25
	6	7	8	9	10
Spore Identification	D102	D Hall	Gym	Cafeteria	G103
<i>Cladosporium</i>	13	53	27	-	13
Ascospores	-	27	27	-	-
Basidiospores ²	-	27	-	27	27
Smuts, <i>Periconia</i> , <i>Myxomycetes</i> ⁴	13	-	13	-	13
<i>Penicillium/Aspergillus</i> Group ¹	40	40	13	-	40
Hyphal Elements ³	13	-	-	13	13
<i>Alternaria</i>	-	-	-	-	-
<i>Curvularia</i>	-	-	-	-	-
<i>Epicoccum</i>	-	-	-	-	-
<i>Cercospora</i>	-	-	13	-	-
<i>Arthrimum</i>	-	-	-	-	-
Clear Brown	-	-	-	-	-
Colorless	-	-	-	-	-
<i>Trichocladium</i>	-	-	-	-	-
Unidentified	-	-	-	-	13
<i>Ulocladium</i>	-	-	-	-	-
<i>Torula</i>	-	-	-	-	-
<i>Pithomyces</i>	-	-	-	-	-
Rust ⁵	-	-	-	-	-
<i>Drechslera/Bipolaris</i>	-	-	-	-	-
<i>Tetraploa</i>	-	-	-	-	-
<i>Chaetomium</i>	-	-	-	-	-
<i>Stachybotrys</i>	-	-	-	-	-
	-	-	-	-	-
Total Spores/m³	80	147	93	40	120
Particulate Level	low	low-moderate	low	low	low-moderate
Date Analyzed:	5/1/25	5/1/25	5/1/25	5/1/25	5/1/25

Analyzed by: Cathy A. Richmond, B.S.

The results reported by LRC are a record of the microbes identified by our laboratory staff. We assume responsibility over analysis conducted in the laboratory, but cannot assume responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. Any information given other than microbial information, is provided as general reference information from published sources and is not an extension of liability to LRC.



LRC Indoor Testing and Research
 200 Commonwealth Ct, Suite 101
 Cary, NC 27511
 (919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags Head, NC

–

Project #: 25-1414

Project Location: Kitty Hawk Elementary

16 S Dogwood Trail

Kitty Hawk, NC

Project Type: IAQ

PO/Claim #: –

Table 1: Non-Viable Air Samples

Date Collected:	4/20/25	4/20/25	4/20/25	4/20/25	4/20/25
	11	12	13	14	15
Spore Identification	A109	A106	A101	A Hall	Hall at B111
<i>Cladosporium</i>	27	40	-	53	-
Ascospores	-	-	-	27	27
Basidiospores ²	13	13	-	13	27
Smuts, <i>Periconia</i> , <i>Myxomycetes</i> ⁴	-	13	13	27	13
<i>Penicillium/Aspergillus</i> Group ¹	-	13	-	13	27
Hyphal Elements ³	13	-	13	27	-
<i>Alternaria</i>	-	13	-	-	-
<i>Curvularia</i>	-	-	-	-	-
<i>Epicoccum</i>	-	-	-	-	-
<i>Cercospora</i>	-	-	-	-	-
<i>Arthrimum</i>	-	-	-	-	-
Clear Brown	-	-	-	-	-
Colorless	-	-	-	-	-
<i>Trichocladium</i>	-	-	-	-	-
Unidentified	-	-	-	-	-
<i>Ulocladium</i>	-	-	-	-	-
<i>Torula</i>	-	-	-	-	-
<i>Pithomyces</i>	-	-	-	-	-
Rust ⁵	-	-	-	-	-
<i>Drechslera/Bipolaris</i>	-	-	-	-	-
<i>Tetraploa</i>	-	-	-	-	-
<i>Chaetomium</i>	-	-	-	-	-
<i>Stachybotrys</i>	-	-	-	-	-
	-	-	-	-	-
Total Spores/m³	53	93	27	160	93
Particulate Level	low	low-moderate	low	low-moderate	low
Date Analyzed:	5/1/25	5/1/25	5/1/25	5/1/25	5/1/25

Analyzed by: Cathy A. Richmond, B.S.

The results reported by LRC are a record of the microbes identified by our laboratory staff. We assume responsibility over analysis conducted in the laboratory, but cannot assume responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. Any information given other than microbial information, is provided as general reference information from published sources and is not an extension of liability to LRC.



LRC Indoor Testing and Research
 200 Commonwealth Ct, Suite 101
 Cary, NC 27511
 (919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools

Project #: 25-1414

Ian Adams

Project Location: Kitty Hawk Elementary

3020 S Wrightsville Ave.

16 S Dogwood Trail

Nags Head, NC

Kitty Hawk, NC

Project Type: IAQ

PO/Claim #: -

Table 1: Non-Viable Air Samples

Date Collected:	4/20/25	4/20/25	4/20/25	4/20/25
	16	17	18	19
Spore Identification	B108	B103	B Hall	Outdoor Air
<i>Cladosporium</i>	27	13	27	2187
Ascospores	13	-	-	213
Basidiospores ²	-	-	-	2880
Smuts, <i>Periconia</i> , <i>Myxomycetes</i> ⁴	-	13	40	267
<i>Penicillium/Aspergillus</i> Group ¹	-	-	13	213
Hyphal Elements ³	-	-	13	-
<i>Alternaria</i>	-	-	-	-
<i>Curvularia</i>	-	-	-	53
<i>Epicoccum</i>	-	-	-	-
<i>Cercospora</i>	-	-	-	53
<i>Arthrimum</i>	-	-	-	-
Clear Brown	-	-	-	-
Colorless	-	-	-	-
<i>Trichocladium</i>	-	-	-	-
Unidentified	-	-	-	-
<i>Ulocladium</i>	-	-	-	-
Torula	-	-	-	-
<i>Pithomyces</i>	-	-	-	-
Rust ⁵	-	-	-	-
<i>Drechslera/Bipolaris</i>	-	-	-	-
<i>Tetraploa</i>	-	-	-	-
<i>Chaetomium</i>	-	-	-	-
<i>Stachybotrys</i>	-	-	-	-
	-	-	-	-
Total Spores/m³	40	27	93	5867
Particulate Level	low	low	low-moderate	low-moderate
Date Analyzed:	5/1/25	5/1/25	5/1/25	5/1/25

Analyzed by: Cathy A. Richmond, B.S.

The results reported by LRC are a record of the microbes identified by our laboratory staff. We assume responsibility over analysis conducted in the laboratory, but cannot assume responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. Any information given other than microbial information, is provided as general reference information from published sources and is not an extension of liability to LRC.



LRC Indoor Testing and Research
200 Commonwealth Ct, Suite 101
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags Head, NC
—

Project #: 25-1414
Project Location: Kitty Hawk Elementary
16 S Dogwood Trail
Kitty Hawk, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 1
Sample Location: Office
Date Collected: 4/20/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 5/1/25
Volume (L): 75
Percentage of Slide Read: 100.0%
Detection Limit: 13.33
Particulate Level: low-moderate
Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	3	40	spores/m ³	30%
Ascospores	1	13	spores/m ³	10%
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	10%
<i>Penicillium/Aspergillus</i> Group	2	27	spores/m ³	20%
Hyphal Elements	1	13	spores/m ³	10%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>	2	27	spores/m ³	20%
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	10	133	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



LRC Indoor Testing and Research
200 Commonwealth Ct, Suite 101
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags Head, NC

Project #: 25-1414
Project Location: Kitty Hawk Elementary
16 S Dogwood Trail
Kitty Hawk, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 2
Sample Location: Media Center
Date Collected: 4/20/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 5/1/25
Volume (L): 75
Percentage of Slide Read: 100.0%
Detection Limit: 13.33
Particulate Level: moderate
Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	4	53	spores/m ³	31%
Ascospores	1	13	spores/m ³	8%
Basidiospores	1	13	spores/m ³	8%
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	8%
<i>Penicillium/Aspergillus</i> Group	4	53	spores/m ³	31%
Hyphal Elements	1	13	spores/m ³	8%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified	1	13	spores/m ³	8%
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	13	173	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



LRC Indoor Testing and Research
200 Commonwealth Ct, Suite 101
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags Head, NC

Project #: 25-1414
Project Location: Kitty Hawk Elementary
16 S Dogwood Trail
Kitty Hawk, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 3
Sample Location: D120
Date Collected: 4/20/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 5/1/25
Volume (L): 75
Percentage of Slide Read: 100.0%
Detection Limit: 13.33
Particulate Level: low
Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>		-	spores/m ³	-
Ascospores	1	13	spores/m ³	33%
Basidiospores	2	27	spores/m ³	67%
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group		-	spores/m ³	-
Hyphal Elements		-	spores/m ³	-
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	3	40	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags Head, NC

Project #: 25-1414

Project Location: Kitty Hawk Elementary
16 S Dogwood Trail
Kitty Hawk, NC

Project Type: IAQ

PO/Claim #:

Sample Number:	4	Volume (L):	75
Sample Location:	D112	Percentage of Slide Read:	100.0%
Date Collected:	4/20/25	Detection Limit:	13.33
Test Requested:	Non-viable spore trap analysis	Particulate Level:	low
Date Analyzed:	5/1/25	Notes:	-

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	1	13	spores/m ³	50%
Ascospores	1	13	spores/m ³	50%
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium</i> / <i>Aspergillus</i> Group		-	spores/m ³	-
Hyphal Elements		-	spores/m ³	-
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrinium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera</i> / <i>Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	2	27	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



LRC Indoor Testing and Research
200 Commonwealth Ct, Suite 101
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags Head, NC

—

Project #: 25-1414

Project Location: Kitty Hawk Elementary

16 S Dogwood Trail

Kitty Hawk, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 5

Sample Location: D129

Date Collected: 4/20/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 5/1/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low

Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	2	27	spores/m ³	67%
Ascospores		-	spores/m ³	-
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group		-	spores/m ³	-
Hyphal Elements	1	13	spores/m ³	33%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	3	40	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



LRC Indoor Testing and Research
 200 Commonwealth Ct, Suite 101
 Cary, NC 27511
 (919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags Head, NC
 —

Project #: **25-1414**
Project Location: Kitty Hawk Elementary
 16 S Dogwood Trail
 Kitty Hawk, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 6	Volume (L): 75
Sample Location: D102	Percentage of Slide Read: 100.0%
Date Collected: 4/20/25	Detection Limit: 13.33
Test Requested: Non-viable spore trap analysis	Particulate Level: low
Date Analyzed: 5/1/25	Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	1	13	spores/m ³	17%
Ascospores		-	spores/m ³	-
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	17%
<i>Penicillium/Aspergillus</i> Group	3	40	spores/m ³	50%
Hyphal Elements	1	13	spores/m ³	17%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	6	80	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



LRC Indoor Testing and Research
200 Commonwealth Ct, Suite 101
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags Head, NC

Project #: 25-1414
Project Location: Kitty Hawk Elementary
16 S Dogwood Trail
Kitty Hawk, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 7
Sample Location: D Hall
Date Collected: 4/20/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 5/1/25
Volume (L): 75
Percentage of Slide Read: 100.0%
Detection Limit: 13.33
Particulate Level: low-moderate
Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	4	53	spores/m ³	36%
Ascospores	2	27	spores/m ³	18%
Basidiospores	2	27	spores/m ³	18%
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group	3	40	spores/m ³	27%
Hyphal Elements		-	spores/m ³	-
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	11	147	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



LRC Indoor Testing and Research
200 Commonwealth Ct, Suite 101
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags Head, NC

Project #: 25-1414
Project Location: Kitty Hawk Elementary
16 S Dogwood Trail
Kitty Hawk, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 8
Sample Location: Gym
Date Collected: 4/20/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 5/1/25
Volume (L): 75
Percentage of Slide Read: 100.0%
Detection Limit: 13.33
Particulate Level: low
Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	2	27	spores/m ³	29%
Ascospores	2	27	spores/m ³	29%
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	14%
<i>Penicillium/Aspergillus</i> Group	1	13	spores/m ³	14%
Hyphal Elements		-	spores/m ³	-
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoecum</i>		-	spores/m ³	-
<i>Cercospora</i>	1	13	spores/m ³	14%
<i>Arthrimum</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	7	93	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



LRC Indoor Testing and Research
200 Commonwealth Ct, Suite 101
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags Head, NC

Project #: 25-1414
Project Location: Kitty Hawk Elementary
16 S Dogwood Trail
Kitty Hawk, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 9
Sample Location: Cafeteria
Date Collected: 4/20/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 5/1/25
Volume (L): 75
Percentage of Slide Read: 100.0%
Detection Limit: 13.33
Particulate Level: low
Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>		-	spores/m ³	-
Ascospores		-	spores/m ³	-
Basidiospores	2	27	spores/m ³	67%
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group		-	spores/m ³	-
Hyphal Elements	1	13	spores/m ³	33%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	3	40	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



LRC Indoor Testing and Research
200 Commonwealth Ct, Suite 101
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags Head, NC

Project #: 25-1414
Project Location: Kitty Hawk Elementary
16 S Dogwood Trail
Kitty Hawk, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 10
Sample Location: G103
Date Collected: 4/20/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 5/1/25
Volume (L): 75
Percentage of Slide Read: 100.0%
Detection Limit: 13.33
Particulate Level: low-moderate
Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	1	13	spores/m ³	11%
Ascospores		-	spores/m ³	-
Basidiospores	2	27	spores/m ³	22%
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	11%
<i>Penicillium/Aspergillus</i> Group	3	40	spores/m ³	33%
Hyphal Elements	1	13	spores/m ³	11%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified	1	13	spores/m ³	11%
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	9	120	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



LRC Indoor Testing and Research
200 Commonwealth Ct, Suite 101
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags Head, NC
—

Project #: 25-1414
Project Location: Kitty Hawk Elementary
16 S Dogwood Trail
Kitty Hawk, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 11
Sample Location: A109
Date Collected: 4/20/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 5/1/25
Volume (L): 75
Percentage of Slide Read: 100.0%
Detection Limit: 13.33
Particulate Level: low
Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	2	27	spores/m ³	50%
Ascospores		-	spores/m ³	-
Basidiospores	1	13	spores/m ³	25%
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group		-	spores/m ³	-
Hyphal Elements	1	13	spores/m ³	25%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	4	53	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



LRC Indoor Testing and Research
200 Commonwealth Ct, Suite 101
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags Head, NC

—

Project #: 25-1414

Project Location: Kitty Hawk Elementary

16 S Dogwood Trail

Kitty Hawk, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 12

Sample Location: A106

Date Collected: 4/20/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 5/1/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low-moderate

Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	3	40	spores/m ³	43%
Ascospores		-	spores/m ³	-
Basidiospores	1	13	spores/m ³	14%
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	14%
<i>Penicillium/Aspergillus</i> Group	1	13	spores/m ³	14%
Hyphal Elements		-	spores/m ³	-
<i>Alternaria</i>	1	13	spores/m ³	14%
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	7	93	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



LRC Indoor Testing and Research
200 Commonwealth Ct, Suite 101
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags Head, NC

—

Project #: 25-1414

Project Location: Kitty Hawk Elementary

16 S Dogwood Trail

Kitty Hawk, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 13

Sample Location: A101

Date Collected: 4/20/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 5/1/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low

Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>		-	spores/m ³	-
Ascospores		-	spores/m ³	-
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	50%
<i>Penicillium/Aspergillus</i> Group		-	spores/m ³	-
Hyphal Elements	1	13	spores/m ³	50%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	2	27	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



LRC Indoor Testing and Research
200 Commonwealth Ct, Suite 101
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags Head, NC
—

Project #: 25-1414
Project Location: Kitty Hawk Elementary
16 S Dogwood Trail
Kitty Hawk, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 14
Sample Location: A Hall
Date Collected: 4/20/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 5/1/25
Volume (L): 75
Percentage of Slide Read: 100.0%
Detection Limit: 13.33
Particulate Level: low-moderate
Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	4	53	spores/m ³	33%
Ascospores	2	27	spores/m ³	17%
Basidiospores	1	13	spores/m ³	8%
Smuts, <i>Periconia</i> , Myxomycetes	2	27	spores/m ³	17%
<i>Penicillium/Aspergillus</i> Group	1	13	spores/m ³	8%
Hyphal Elements	2	27	spores/m ³	17%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	12	160	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



LRC Indoor Testing and Research
200 Commonwealth Ct, Suite 101
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags Head, NC

Project #: 25-1414
Project Location: Kitty Hawk Elementary
16 S Dogwood Trail
Kitty Hawk, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 15
Sample Location: Hall at B111
Date Collected: 4/20/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 5/1/25
Volume (L): 75
Percentage of Slide Read: 100.0%
Detection Limit: 13.33
Particulate Level: low
Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>		-	spores/m ³	-
Ascospores	2	27	spores/m ³	29%
Basidiospores	2	27	spores/m ³	29%
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	14%
<i>Penicillium/Aspergillus</i> Group	2	27	spores/m ³	29%
Hyphal Elements		-	spores/m ³	-
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	7	93	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



LRC Indoor Testing and Research
200 Commonwealth Ct, Suite 101
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags Head, NC

Project #: 25-1414
Project Location: Kitty Hawk Elementary
16 S Dogwood Trail
Kitty Hawk, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 16
Sample Location: B108
Date Collected: 4/20/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 5/1/25
Volume (L): 75
Percentage of Slide Read: 100.0%
Detection Limit: 13.33
Particulate Level: low
Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	2	27	spores/m ³	67%
Ascospores	1	13	spores/m ³	33%
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes		-	spores/m ³	-
<i>Penicillium/Aspergillus</i> Group		-	spores/m ³	-
Hyphal Elements		-	spores/m ³	-
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	3	40	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



LRC Indoor Testing and Research
200 Commonwealth Ct, Suite 101
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags Head, NC

—

Project #: 25-1414

Project Location: Kitty Hawk Elementary

16 S Dogwood Trail

Kitty Hawk, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 17

Sample Location: B103

Date Collected: 4/20/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 5/1/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low

Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	1	13	spores/m ³	50%
Ascospores		-	spores/m ³	-
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes	1	13	spores/m ³	50%
<i>Penicillium/Aspergillus</i> Group		-	spores/m ³	-
Hyphal Elements		-	spores/m ³	-
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	2	27	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



LRC Indoor Testing and Research
200 Commonwealth Ct, Suite 101
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools

Ian Adams

3020 S Wrightsville Ave.

Nags Head, NC

—

Project #: 25-1414

Project Location: Kitty Hawk Elementary

16 S Dogwood Trail

Kitty Hawk, NC

Project Type: IAQ

PO/Claim #: —

Sample Number: 18

Sample Location: B Hall

Date Collected: 4/20/25

Test Requested: Non-viable spore trap analysis

Date Analyzed: 5/1/25

Volume (L): 75

Percentage of Slide Read: 100.0%

Detection Limit: 13.33

Particulate Level: low-moderate

Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	2	27	spores/m ³	29%
Ascospores		-	spores/m ³	-
Basidiospores		-	spores/m ³	-
Smuts, <i>Periconia</i> , Myxomycetes	3	40	spores/m ³	43%
<i>Penicillium/Aspergillus</i> Group	1	13	spores/m ³	14%
Hyphal Elements	1	13	spores/m ³	14%
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>		-	spores/m ³	-
<i>Epicoccum</i>		-	spores/m ³	-
<i>Cercospora</i>		-	spores/m ³	-
<i>Arthrrium</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	7	93	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



LRC Indoor Testing and Research
200 Commonwealth Ct, Suite 101
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Dare County Schools
Ian Adams
3020 S Wrightsville Ave.
Nags Head, NC

Project #: 25-1414
Project Location: Kitty Hawk Elementary
16 S Dogwood Trail
Kitty Hawk, NC
Project Type: IAQ
PO/Claim #: —

Sample Number: 19
Sample Location: Outdoor Air
Date Collected: 4/20/25
Test Requested: Non-viable spore trap analysis
Date Analyzed: 5/1/25
Volume (L): 75
Percentage of Slide Read: 25.0%
Detection Limit: 53.33
Particulate Level: low-moderate
Notes: —

Spore Identification	Count	Results	Units	Percentage
<i>Cladosporium</i>	41	2187	spores/m ³	37%
Ascospores	4	213	spores/m ³	4%
Basidiospores	54	2880	spores/m ³	49%
Smuts, <i>Periconia</i> , Myxomycetes	5	267	spores/m ³	5%
<i>Penicillium/Aspergillus</i> Group	4	213	spores/m ³	4%
Hyphal Elements		-	spores/m ³	-
<i>Alternaria</i>		-	spores/m ³	-
<i>Curvularia</i>	1	53	spores/m ³	1%
<i>Epicoecum</i>		-	spores/m ³	-
<i>Cercospora</i>	1	53	spores/m ³	1%
<i>Arthrimum</i>		-	spores/m ³	-
Clear Brown		-	spores/m ³	-
Colorless		-	spores/m ³	-
<i>Trichocladium</i>		-	spores/m ³	-
Unidentified		-	spores/m ³	-
<i>Ulocladium</i>		-	spores/m ³	-
Torula		-	spores/m ³	-
<i>Pithomyces</i>		-	spores/m ³	-
Rust		-	spores/m ³	-
<i>Drechslera/Bipolaris</i>		-	spores/m ³	-
<i>Tetraploa</i>		-	spores/m ³	-
<i>Chaetomium</i>		-	spores/m ³	-
<i>Stachybotrys</i>		-	spores/m ³	-
		-	spores/m ³	-
Total Spores	110	5867	spores/m³	

Analyzed by: Cathy A. Richmond, B.S.



LRC Indoor Testing and Research
200 Commonwealth Ct, Suite 101
Cary, NC 27511
(919) 342-4936

Certificate of Laboratory Analysis

Non-Viable Spore Trap Analysis

Project #: **25-1414**

Report Information:

DETECTION LIMITS (DL) for samples are the minimum number of spores or colonies forming units that can be satisfactorily identified for each sample type.

SPORE TRAP SAMPLES: Calculations based on volume of air sampled & percentage of slide counted, i.e. DL = 1000 L / 75 L if 100% of the slide is counted.

CODE 11: Fungal content and/or particulate level on slide too heavy to identify and enumerate fungal content.

Footnotes:

1. *Penicillium/Aspergillus* group spores are characterized by their small size, round to ovoid shape, being unicellular and usually colorless to lightly pigmented. There are numerous genera of fungi whose spore morphology is similar to that of the *Penicillium/Aspergillus* type. Several common examples would be *Acremonium*, *Paecilomyces*, and *Trichoderma*. Although the majority of spores placed in this group are *Penicillium*, *Aspergillus*, or a combination of both, these are not the only two possibilities.
2. Basidiospores are primarily transported indoors from outdoor sources and rarely grow indoors. A high basidiospore count indoors can be indicative of a wood decay problem or wet soil, and should be verified if and an outdoor source of the spores is not present.
3. Hyphae are the tubular filaments of fungi. Hyphae can fragment and become airborne much like spores and are potentially allergenic.
4. The Smut, *Periconia*, Myxomycete group is a group composed of three different types of organisms whose spores have similar morphologies. Smuts are plant pathogens, *Periconia* is a relatively uncommon mold indoors, and Myxomycetes are not fungi, but slime molds. Although these organisms do not typically proliferate indoors, their spores are potentially allergenic.
5. Rusts are plant pathogens. These fungi do not typically grow indoors unless an infected plant is present. Rust spores are potentially allergenic.

Direct Microscopic Exam Reporting:

We use a 400x-600x magnification microscope.

Reporting Quantification Levels are as follows:

Reporting Level	Quantitative Description
Occasional	1-10 per square inch
Few	11-100 per square inch
Moderate	101-1000 per square inch
Numerous	More than 1,000 per square inch

Submitted By Analyst:

Cathy A. Richmond, BS

5/1/2025