



EMSL Analytical, Inc.

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

EMSL Order: 372315677
Customer ID: MDGL77
Customer PO:
Project ID:

Attention: Chris Macri
MDG Environmental, LLC
1000 Maplewood Drive
Suite 207
Maple Shade, NJ 08052
Project: 23-227-2/ 4528 White Horse Pike, Mullica Twp, NJ (Mullica PD)

Phone: (609) 744-0106
Fax:
Collected Date: 09/29/2023
Received Date: 09/29/2023 06:30 PM
Analyzed Date: 10/02/2023

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: | 372315677-0001 AOC-01 75 Outdoors | | | 372315677-0002 AOC-02 75 Temporary P.D. H.Q. 1st Fl | | | 372315677-0003 AOC-03 75 Back Stairwell | | | |
|--|--|--------------|----------------------|--|-------------|----------------------|--|--------------|----------------------|------------|
| | Spore Types | Raw Count | Count/m ³ | % of Total | Raw Count | Count/m ³ | % of Total | Raw Count | Count/m ³ | % of Total |
| Alternaria (Ulocladium) | - | - | - | - | - | - | - | - | - | - |
| Ascospores | 21 | 930 | 2.5 | 3 | 100 | 1.9 | 9 | 400 | 3.7 | |
| Aspergillus/Penicillium | 1 | 40 | 0.1 | 3 | 100 | 1.9 | 11 | 490 | 4.5 | |
| Basidiospores | 809 | 35800 | 96.8 | 111 | 4910 | 93.9 | 226 | 9990 | 91.3 | |
| Bipolaris++ | - | - | - | - | - | - | - | - | - | |
| Chaetomium++ | - | - | - | - | - | - | - | - | - | |
| Cladosporium | - | - | - | 1 | 40 | 0.8 | - | - | - | |
| Curvularia | - | - | - | - | - | - | 1* | 10* | 0.1 | |
| Epicoccum | - | - | - | - | - | - | - | - | - | |
| Fusarium++ | 1 | 40 | 0.1 | - | - | - | - | - | - | |
| Ganoderma | 1 | 40 | 0.1 | - | - | - | - | - | - | |
| Myxomycetes++ | 1 | 40 | 0.1 | 1 | 40 | 0.8 | 1* | 10* | 0.1 | |
| Pithomyces++ | 1 | 40 | 0.1 | 1 | 40 | 0.8 | - | - | - | |
| Rust | - | - | - | - | - | - | 1 | 40 | 0.4 | |
| Scopulariopsis/Microascus | - | - | - | - | - | - | - | - | - | |
| Stachybotrys/Memnoniella | - | - | - | - | - | - | - | - | - | |
| Unidentifiable Spores | - | - | - | - | - | - | - | - | - | |
| Zygomycetes | - | - | - | - | - | - | - | - | - | |
| Coelomycetes | 1 | 40 | 0.1 | - | - | - | - | - | - | |
| Spegazzinia | - | - | - | - | - | - | - | - | - | |
| Total Fungi | 836 | 36970 | 100 | 120 | 5230 | 100 | 249 | 10940 | 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 | - | - | 2 | - | - | 1 | - | |

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

Vincent Iuzzolino, M.S., Laboratory Manager
or other Approved Signatory

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

Skin Fragment and Fibrous Particulate ratings are based on the percent of non-fungal material they represent: 1 (1-25%), 2 (26-50%), 3 (51-75%), or 4 (76-100%). Background ratings are based on the total area covered by non-fungal particles: 1 (1-25%), 2 (26-50%), 3 (51-75%), 4 (76-99%), or 5 (100%; overloaded, prohibiting accurate detection and quantification). High levels of background will obscure spores and other particulates, leading to underestimation. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. *** Denotes particles found at 300X. *- Denotes not detected. Due to method stopping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. 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. When the information supplied by the customer can affect the validity of the result, it will be noted on the report.

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

Initial report from: 10/03/2023 08:18 AM

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



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| Lab Sample Number: Client Sample ID: Volume (L): Sample Location: | 372315677-0004 AOC-04 75 Squadroom | | | 372315677-0005 AOC-05 75 Hallway | | | 372315677-0006 AOC-06 75 Detectives's Office | | | |
|--|---|-------------|----------------------|---|-------------|----------------------|---|-------------|----------------------|------------|
| | Spore Types | Raw Count | Count/m ³ | % of Total | Raw Count | Count/m ³ | % of Total | Raw Count | Count/m ³ | % of Total |
| Alternaria (Ulocladium) | - | - | - | - | - | - | - | - | - | - |
| Ascospores | 1 | 40 | 1.8 | 1 | 40 | 2 | 1 | 40 | 3.7 | |
| Aspergillus/Penicillium | 2 | 90 | 4.1 | 2 | 90 | 4.6 | 1 | 40 | 3.7 | |
| Basidiospores | 39 | 1700 | 76.9 | 41 | 1800 | 91.4 | 20 | 880 | 80.7 | |
| Bipolaris++ | - | - | - | - | - | - | - | - | - | |
| Chaetomium++ | - | - | - | - | - | - | - | - | - | |
| Cladosporium | 6 | 300 | 13.6 | 1 | 40 | 2 | 2 | 90 | 8.3 | |
| Curvularia | - | - | - | - | - | - | - | - | - | |
| Epicoccum | - | - | - | - | - | - | - | - | - | |
| Fusarium++ | - | - | - | - | - | - | - | - | - | |
| Ganoderma | 1 | 40 | 1.8 | - | - | - | 1 | 40 | 3.7 | |
| Myxomycetes++ | - | - | - | - | - | - | - | - | - | |
| Pithomyces++ | 1 | 40 | 1.8 | - | - | - | - | - | - | |
| Rust | - | - | - | - | - | - | - | - | - | |
| Scopulariopsis/Microascus | - | - | - | - | - | - | - | - | - | |
| Stachybotrys/Memnoniella | - | - | - | - | - | - | - | - | - | |
| Unidentifiable Spores | - | - | - | - | - | - | - | - | - | |
| Zygomycetes | - | - | - | - | - | - | - | - | - | |
| Coelomycetes | - | - | - | - | - | - | - | - | - | |
| Spegazzinia | - | - | - | - | - | - | - | - | - | |
| Total Fungi | 50 | 2210 | 100 | 45 | 1970 | 100 | 25 | 1090 | 100 | |
| Hyphal Fragment | - | - | - | 1 | 40 | - | - | - | - | |
| Insect Fragment | - | - | - | - | - | - | - | - | - | |
| Pollen | - | - | - | 1 | 40 | - | - | - | - | |
| 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 | - | |

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

Vincent Iuzzolino, M.S., Laboratory Manager
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| Lab Sample Number: Client Sample ID: Volume (L): Sample Location: | 372315677-0007 AOC-07 75 Matron/ Record's Office | | | 372315677-0008 AOC-08 75 Waiting Area L.L. | | | | | | |
|--|---|--------------|------------|---|-------------|------------|------------|---|---|---|
| | Spore Types | Raw Count | Count/m³ | % of Total | Raw Count | Count/m³ | % of Total | | | |
| Alternaria (Ulocladium) | - | - | - | - | - | - | - | - | - | - |
| Ascospores | 1 | 40 | 0.4 | 2 | 90 | 4.6 | - | - | - | - |
| Aspergillus/Penicillium | 185 | 8180 | 74.2 | 3 | 100 | 5.2 | - | - | - | - |
| Basidiospores | 61 | 2700 | 24.5 | 39 | 1700 | 87.6 | - | - | - | - |
| Bipolaris++ | - | - | - | - | - | - | - | - | - | - |
| Chaetomium++ | - | - | - | - | - | - | - | - | - | - |
| Cladosporium | 1 | 40 | 0.4 | - | - | - | - | - | - | - |
| Curvularia | - | - | - | - | - | - | - | - | - | - |
| Epicoccum | 1* | 10* | 0.1 | - | - | - | - | - | - | - |
| Fusarium++ | - | - | - | - | - | - | - | - | - | - |
| Ganoderma | - | - | - | 1 | 40 | 2.1 | - | - | - | - |
| Myxomycetes++ | - | - | - | - | - | - | - | - | - | - |
| Pithomyces++ | 1 | 40 | 0.4 | 1* | 10* | 0.5 | - | - | - | - |
| Rust | - | - | - | - | - | - | - | - | - | - |
| Scopulariopsis/Microascus | - | - | - | - | - | - | - | - | - | - |
| Stachybotrys/Memnoniella | - | - | - | - | - | - | - | - | - | - |
| Unidentifiable Spores | - | - | - | - | - | - | - | - | - | - |
| Zygomycetes | - | - | - | - | - | - | - | - | - | - |
| Coelomycetes | - | - | - | - | - | - | - | - | - | - |
| Spegazzinia | 1* | 10* | 0.1 | - | - | - | - | - | - | - |
| Total Fungi | 251 | 11020 | 100 | 46 | 1940 | 100 | - | - | - | - |
| Hyphal Fragment | - | - | - | 1 | 40 | - | - | - | - | - |
| Insect Fragment | - | - | - | 1 | 40 | - | - | - | - | - |
| Pollen | - | - | - | - | - | - | - | - | - | - |
| Analyt. Sensitivity 600x | - | 44 | - | - | 44 | - | - | - | - | - |
| Analyt. Sensitivity 300x | - | 13* | - | - | 13* | - | - | - | - | - |
| Skin Fragments (1-4) | - | 1 | - | - | 1 | - | - | - | - | - |
| Fibrous Particulate (1-4) | - | 1 | - | - | 1 | - | - | - | - | - |
| Background (1-5) | - | 2 | - | - | 2 | - | - | - | - | - |

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

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