4795 Enterprise Ave
Naples, Florida 34104
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# CERTIFICATE OF ANALYSIS

## PREPARED FOR:

DRY SOLUTIONS
2631 MAYLIN DR
TRINITY, FL 34655

## TEST ADDRESS:

700 35TH AVENUE NORTH
SP, FL 33704

## REPORT DATE:

MARCH 2, 2022

ACCREDITED
Testing CERT# 3562.01

AIHA
EMPAT 221438

Authorization:

Andrew Daane, M.S.
*Laboratory Director*

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# REPORT CODE: M-DRSO-179054

| | | | | | |
|---|---|---|---|---|---|
| Company | Dry Solutions | | Project Name | Roseann Stem | |
| Address | 2631 Maylin Dr, Trinity, FL 34655 | | | | |
| Contact | Richard Anderson | | Project Address | 700 35th Avenue North, SP, FL 33704 | |
| Phone | 727-858-8033 | | | | |
| Email | drysolutions@juno.com | | Analyzed by/ Date | CT | 3/2/2022 |
| Lab ID Number | 179054-1 | 179054-2 | 179054-3 | Intentionally Left Blank | |
| Collection Date | 2/28/22 | 2/28/22 | 2/28/22 | | |
| Volume | 75 | 75 | N/A | | |
| Location | Outside | Hallway Outside 1st BR on Left | Dining Room Switch Plate | | |
| **RESULT†** | **CONTROL** | **NOT ELEVATED** | **GROWTH UNLIKELY** | | |
| % Slide Analyzed | 100 | 100 | 100 | | |

| Spore Identification | Raw Count | Spore/m$^3$ | % of Total | Raw Count | Spore/m$^3$ | % of Total | Spore Level |
|---|---|---|---|---|---|---|---|
| Aspergillus/ Penicillium | | 0 | 0 | | 0 | 0 | |
| Chaetomium | | 0 | 0 | | 0 | 0 | |
| Stachybotrys | | 0 | 0 | | 0 | 0 | |
| Alternaria | 61 | 813 | 3 | | 0 | 0 | |
| Arthrinium | | 0 | 0 | | 0 | 0 | |
| Ascospores | 31 | 413 | 1 | | 0 | 0 | |
| Basidiospores | 48 | 640 | 2 | 4 | 53 | 100 | |
| Cladosporium | 2200 | 29333 | 93 | | 0 | 0 | Rare |
| Cercospora | 3 | 40 | 0 | | 0 | 0 | |
| Curvularia | | 0 | 0 | | 0 | 0 | |
| Dreschlera/ Bipolaris | 3 | 40 | 0 | | 0 | 0 | |
| Epicoccum | 4 | 53 | 0 | | 0 | 0 | |
| Fusarium | | 0 | 0 | | 0 | 0 | |
| Ganoderma | | 0 | 0 | | 0 | 0 | |
| Memnoniella | | 0 | 0 | | 0 | 0 | |
| Myxomycetes/ Smut | 11 | 147 | 0 | | 0 | 0 | |
| Nigrospora | 2 | 27 | 0 | | 0 | 0 | |
| Pithomyces | | 0 | 0 | | 0 | 0 | |
| Rust | 2 | 27 | 0 | | 0 | 0 | |
| Spegazzinia | 1 | 13 | 0 | | 0 | 0 | |
| Torula | | 0 | 0 | | 0 | 0 | |
| Ulocladium | | 0 | 0 | | 0 | 0 | |
| Other | | 0 | 0 | | 0 | 0 | |
| **Total Fungi** | **2366** | **31547** | **100** | **4** | **53** | **100** | **N/A** |
| Hyphal Fragment | 29 | 387 | N/A | 1 | 13 | N/A | |
| Insect Fragment | | 0 | N/A | 1 | 13 | N/A | |
| Pollen | 10 | 133 | N/A | | 0 | N/A | |
| Background Debris (1-5)* | 3 | | | 1 | | | 1 |

Background Debris is a subjective assessment of the debris level (i.e., house dust) present in the sample, ranked from 1 to 5. A higher number corresponds to a higher level of debris.

*Higher Background Debris may interfere with the analyst's ability to identify spores

1 = 0-5% debris; 2 = 5-25% debris; 3 = 25-75% debris; 4 = 75-90% debris; 5 = 90-100% debris

## AIR RESULT KEY†

| | |
|---|---|
| **ELEVATED** | The concentration of spores in this sample exceeds the HHS threshold, which indicates that an indoor mold source is LIKELY. |
| **NOT ELEVATED** | The concentration of spores in this sample does not exceed the HHS threshold, which indicates that an indoor mold source is UNLIKELY. |
| **CONTROL** | The indoor samples are compared to the control sample to determine whether there may be an indoor mold source. |

## SURFACE RESULT KEY†

| | | | |
|---|---|---|---|
| **GROWTH LIKELY** | ASSOCIATED WITH IICRC S520 CONDITION 3: ACTIVE MOLD | **SURFACE LEVELS** | |
| **GROWTH POSSIBLE** | ASSOCIATED WITH IICRC S520 CONDITION 2: SETTLED SPORES | Rare: 1-9 spores | Low: 10-100 spores |
| **GROWTH UNLIKELY** | ASSOCIATED WITH IICRC S520 CONDITION 1: NORMAL ECOLOGY | Medium: 101-1,000 spores | High: >1,000 spores |

The Laboratory is not responsible for project sampling. Customer provided information: Project Name, Project Number, Project ID, Project Address, Collection Date, Volume, and Location

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# HOW TO READ YOUR MOLD REPORT

**This page contains an EXAMPLE report to illustrate the report layout.**

**Data on this page DOES NOT correspond to samples taken at your property.**

**This information is for illustrative purposes only.**

Samples are arranged vertically with spore counts below the unique Lab IDs corresponding to spores we found in that sample.

| | | SAMPLE 1 | | | SAMPLE 2 | | | SAMPLE 3 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Lab ID Number | | 55555-1 | | | 55555-2 | | | 55555-3 | | |
| Collection Date | | 1/1/2019 | | | 1/1/2019 | | | 1/1/2019 | | |
| Volume | | 75 | | | 75 | | | 75 | | |
| Location | | Outside | | | Inside | | | Bathroom | | |
| **RESULT** | | **CONTROL** | | | **NOT ELEVATED** | | | **ELEVATED** | | |
| % Slide Analyzed | | 100 | | | 100 | | | 100 | | |
| Spore Identification | | Raw Count | Spore/$m^3$ | % of Total | Raw Count | Spore/$m^3$ | % of Total | Raw Count | Spore/$m^3$ | % of Total |
| Indicator | Aspergillus/ Penicillium | 18 | 120 | 100 | 8 | 53 | 89 | 139 | 927 | 87 |
| Indicator | Chaetomium | | 0 | 0 | | 0 | 0 | 20 | 133 | 13 |
| Indicator | Stachybotrys | | 0 | 0 | 1 | 7 | 11 | | 0 | 0 |

THE LEFT-SIDE OF THE TABLE LISTS THE SPORES WE LOOK FOR IN THE SAMPLES ANALYZED

THE RAW COUNT, SPORE/$M^3$ AND % OF TOTAL IS GIVEN FOR EACH SAMPLE

SPORE COUNTS IN RED TEXT INDICATE AN "ELEVATED" LEVEL OF MOLD

Daane Labs uses the Healthy Home Standard, referenced by the International Institute for Building Biology & Ecology, to determine whether the spore levels found in a given sample are likely to indicate an indoor mold source. Daane Labs' interpretation of the Healthy Home Standard is below:

| SPORE TYPES | NOT ELEVATED | ELEVATED |
|---|---|---|
| Aspergillus/ Penicillium | Indoor Air < Outdoor Air + 800 | Indoor Air > Outdoor Air + 800 |
| Chaetomium | Indoor Air < Outdoor Air + 20 | Indoor Air > Outdoor Air + 20 |
| Stachybotrys | Indoor Air < Outdoor Air + 10 | Indoor Air > Outdoor Air + 10 |
| Other spore types | Indoor Air < 2X total Outdoor Air | Indoor Air > 2X total Outdoor Air |
| Total spores | Indoor Air < Outdoor Air + 800 | Indoor Air > Outdoor Air + 800 |
| Hyphal fragments | Indoor Air < Outdoor Air + 300 | Indoor Air > Outdoor Air + 300 |

The Healthy Home Standard is read by comparing Indoor Air to Outdoor Air, and if there is significantly *more* indoors, then an indoor mold source likely exists. For example, the Aspergillus/ Penicillium levels indoors must exceed the levels outdoors by at least 800 spores/$m^3$ for a report to be Elevated. If the Outdoor Air had 0 spores/$m^3$, then a level above 800 spores/$m^3$ in the Indoor Air would Elevate the report. If 120 spores/$m^3$ of Aspergillus/ Penicillium were found in the Outdoor Air, then a level above 120+800 (920) spores/$m^3$ would be required in the Indoors Air to Elevate the report.

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# MOLD GLOSSARY

This portion of the report is intended to give a brief overview of the mold types identified in the reported samples. The information provided here is by no means fully inclusive. Many identifiable mold types represent a large, highly diverse group of fungi and it is difficult to fully capture the nature of these fungi in such a simplified description.

**ASPERGILLUS/ PENICILLIUM**

| | |
|---|---|
| ALLERGIC POTENTIAL | Type I (hay fever, asthma), Type III (hypersensitivity) |
| MODE OF DISSEMINATION | Wind, insects |
| NATURAL HABITAT | Ubiquitous |
| INDOOR SUBSTRATES | Foods, dust, fabrics, wallpaper, wallpaper glue, leather. Prevalent in water-damaged buildings. |

**ALTERNARIA**

| | |
|---|---|
| ALLERGIC POTENTIAL | Type I (hay fever, asthma), Type III (hypersensitivity) |
| MODE OF DISSEMINATION | Airborne |
| NATURAL HABITAT | Ubiquitous |
| INDOOR SUBSTRATES | Various wetted substrates |

**ARTHRINIUM**

| | |
|---|---|
| ALLERGIC POTENTIAL | Some species recognized as allergenic |
| MODE OF DISSEMINATION | Wind |
| NATURAL HABITAT | Decaying plant material, soil |
| INDOOR SUBSTRATES | Materials containing cellulose |

**ASCOSPORES**

| | |
|---|---|
| ALLERGIC POTENTIAL | Varies with genus and species |
| MODE OF DISSEMINATION | Forcible ejection or passive release, disseminated by wind or insects |
| NATURAL HABITAT | Ubiquitous |
| INDOOR SUBSTRATES | Depends on genus and species |

**BASIDIOSPORES**

| | |
|---|---|
| ALLERGIC POTENTIAL | Rarely Type I (hay fever, asthma) |
| MODE OF DISSEMINATION | Wind |
| NATURAL HABITAT | Forest floors, plants, lawns |
| INDOOR SUBSTRATES | Wood products, generally does not grow indoors |

**CERCOSPORA**

| | |
|---|---|
| ALLERGIC POTENTIAL | No allergic potential identified |
| MODE OF DISSEMINATION | Insects, wind, rain, irrigation water |
| NATURAL HABITAT | Plants |
| INDOOR SUBSTRATES | Not known to grow indoors |

**CHAETOMIUM**

| | |
|---|---|
| ALLERGIC POTENTIAL | Type I (hay fever, asthma) |
| MODE OF DISSEMINATION | Wind, insects, water droplets |
| NATURAL HABITAT | Soil, straw, seeds, animal waste |
| INDOOR SUBSTRATES | Paper, sheetrock, wall paper |

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**CLADOSPORIUM**

| | |
|---|---|
| ALLERGIC POTENTIAL | Type I (hay fever, asthma) |
| MODE OF DISSEMINATION | Airborne |
| NATURAL HABITAT | Detritus, soil, woody plants |
| INDOOR SUBSTRATES | Paint, fabrics, textiles, fiberglass. Prevalent in water-damaged buildings |

**CURVULARIA**

| | |
|---|---|
| ALLERGIC POTENTIAL | Type I (hay fever, asthma) |
| MODE OF DISSEMINATION | Wind |
| NATURAL HABITAT | Soil, plant litter, decaying plants, detritus, leaves |
| INDOOR SUBSTRATES | Variety of building materials |

**EPICOCCUM**

| | |
|---|---|
| ALLERGIC POTENTIAL | Rarely Type I (hay fever, asthma) |
| MODE OF DISSEMINATION | Wind |
| NATURAL HABITAT | Soil, plant debris |
| INDOOR SUBSTRATES | Textiles, paper |

**FUSARIUM**

| | |
|---|---|
| ALLERGIC POTENTIAL | Type I (asthma, hay fever) |
| MODE OF DISSEMINATION | Insects, wind, water droplets |
| NATURAL HABITAT | Soil, plants |
| INDOOR SUBSTRATES | Humidifiers, wet cellulose building materials |

**GANODERMA**

| | |
|---|---|
| ALLERGIC POTENTIAL | Rarely Type I (hay fever, asthma) |
| MODE OF DISSEMINATION | Wind, insects |
| NATURAL HABITAT | Parasitic on plants, notably hardwood trees |
| INDOOR SUBSTRATES | Not typically found indoors |

**MEMNONIELLA**

| | |
|---|---|
| ALLERGIC POTENTIAL | Unknown |
| MODE OF DISSEMINATION | Wind |
| NATURAL HABITAT | Plant materials, soils |
| INDOOR SUBSTRATES | Wet building materials |

**MYXOMYCETES, PERICONIA, SMUT**

| | |
|---|---|
| ALLERGIC POTENTIAL | Type I (hay fever, asthma) |
| MODE OF DISSEMINATION | Wind, insects, water |
| NATURAL HABITAT | Detritus, dung, mulch, lawns |
| INDOOR SUBSTRATES | Rotting wood, not typically found indoors |

**NIGROSPORA**

| | |
|---|---|
| ALLERGIC POTENTIAL | Type I allergies (hay fever, asthma) |
| MODE OF DISSEMINATION | Forcibly ejected, wind |
| NATURAL HABITAT | Grass, soil, seeds |
| INDOOR SUBSTRATES | Not known to grow indoors |

**PITHOMYCES**

| | |
|---|---|
| ALLERGIC POTENTIAL | No allergic potential identified |
| MODE OF DISSEMINATION | Wind |
| NATURAL HABITAT | Tree bark, soil, leaf litter, detritus |
| INDOOR SUBSTRATES | Paper |

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**SPEGAZZINIA**

| | |
|---|---|
| ALLERGIC POTENTIAL | Rarely Type I (hay fever, asthma) |
| MODE OF DISSEMINATION | Wind |
| NATURAL HABITAT | Dead leaves, herbaceous dead stems, soil, occassionally estuarine sediments |
| INDOOR SUBSTRATES | Not known to grow indoors |

**STACHYBOTRYS**

| | |
|---|---|
| ALLERGIC POTENTIAL | Type I (asthma, hay fever) |
| MODE OF DISSEMINATION | Insects, water, wind |
| NATURAL HABITAT | Detritus, soil |
| INDOOR SUBSTRATES | Wet building materials |

**TORULA**

| | |
|---|---|
| ALLERGIC POTENTIAL | Type I(hay fever, asthma) |
| MODE OF DISSEMINATION | Wind |
| NATURAL HABITAT | Leaves, plant roots, detritus, soil, wood |
| INDOOR SUBSTRATES | Wicker furniture, wood, baskets, paper |

**ULOCLADIUM**

| | |
|---|---|
| ALLERGIC POTENTIAL | Type I (hay fever, asthma), Type III (hypersensitivity) |
| MODE OF DISSEMINATION | Wind, insects |
| NATURAL HABITAT | Soil, dung, grass, fibers, wood, detritus |
| INDOOR SUBSTRATES | Gypsum, wallpaper, and various wetted substrates |

† : Daane Labs refers to the Healthy Home Standard for guidance on interpreting spore trap results and the IICRC S520 standard for guidance on interpreting surface sample results. The Healthy Home Standard is an accepted standard referenced by the International Institute for Building Biology & Ecology, and the IICRC S520 is a procedural standard for the remediation of mold damaged structures and contents. Daane Labs is an ISO 17025-accredited mold testing laboratory, however lab staff are **not** licensed mold assessors and do not collect samples nor perform home inspections, mold assessments, or mold remediations. Only a licensed mold assessor can provide a conclusive assessment of the mold levels present inside a building. Contact a licensed mold assessor in your area for a thorough investigation of mold growth in your home.

| SPORE TYPES | NOT ELEVATED | ELEVATED |
|---|---|---|
| Aspergillus/ Penicillium | Indoor Air < Outdoor Air + 800 | Indoor Air > Outdoor Air + 800 |
| Chaetomium | Indoor Air < Outdoor Air + 20 | Indoor Air > Outdoor Air + 20 |
| Stachybotrys | Indoor Air < Outdoor Air + 10 | Indoor Air > Outdoor Air + 10 |
| Other spore types | Indoor Air < 2X total Outdoor Air | Indoor Air > 2X total Outdoor Air |
| Total spores | Indoor Air < Outdoor Air + 800 | Indoor Air > Outdoor Air + 800 |
| Hyphal fragments | Indoor Air < Outdoor Air + 300 | Indoor Air > Outdoor Air + 300 |

| Surface Sample Appearance | Indication of Abnormal Growth | Associated IICRC S520 Condition |
|---|---|---|
| Some settled spores | GROWTH UNLIKELY | Condition 1: Normal fungal ecology |
| Elevated settled spores | GROWTH POSSIBLE | Condition 2: Settled spores |
| Elevated spores and fungal fragments | GROWTH LIKELY | Condition 3: Active mold |

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daaneLABS DRSO

**CHAIN OF CUSTODY**

Ship Samples To: 3806 Progress Ave., Naples, FL 34104
Email: info@daanelabs.com Phone: 239-227-4735 Web: www.daanelabs.com

1.07B REV 08

| Customer Information | | Project Information | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Company: | Dry Solutions | Project/ Client Name: | Roseann Stem | Date Sampled: | 2/28/2022 | | | |
| Contact: | Richard Anderson | | | | | | | |
| Contact Phone: | 727-858-8033 | Project Address: | 700 35th Avenue North, SP, FL 33704 | Turn-Around Time* (select one): | AM/ PM Rush | Same Day (✓) | Next Day | 2-Day |
| Contact Email: | drysolutions@juno.com | | | | | | | |
| Address: | 2631 Maylin Dr., Trinity, FL, 34655 | Project Number: | | Attach COC to Report (circle/bold one)? | | Yes | No | |

Please check one box per sample to indicate your analysis request. Failure to choose an analysis type may result in reporting delays.

| Sample Information | | | | Non-Viable | | | | | Viable | | | | Comments/ Special Instructions |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Air | Swab | Tape | Bulk | Dust | Air | Swab | | | |
| Lab ID (Laboratory Use Only) | Sample Location (Outdoor, Living Room, Master Suite, etc.) | Sample ID (Cassette serial #, swab ID, tape ID, etc.) | Volume (pump rate x sample time) | Spore Trap | Mold | Mold | Mold | Particle ID | OFPS (Count & ID) | Total Bacteria (Count) | Total Bacteria (Count & ID) | E. coli & Coliform | (Environmental conditions, special handling instructions, other analysis type, etc.) |
| 1790541 | Outside | 33000325 | 75L | ✓ | | | | | | | | | |
| 2 | Hallway outside 1st BR on left | 33000311 | 75L | ✓ | | | | | | | | | |
| 3 | Dining Room switch plate | 2025102 | | | ✓ | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
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| | | | | | |
|---|---|---|---|---|---|
| Submitted By: | *Richard Anderson* | Received By: | | Analyzed By: | |
| Date/Time: | *3/1/2022* | Date/Time: | 3.2.22 1023 | Date: | |

* - Turnaround Times are relative to when samples are received by the lab, not when samples are dropped off. Daane Labs cuts off sample receipt at 2:00 pm for analytical and reporting purposes.

Notes: