

# CERTIFICATE OF ANALYSIS

**PREPARED FOR:**  
HOME CHECK SYSTEMS

NAPLES, FL 34110

**TEST ADDRESS:**  
EXAMPLE REPORT

**REPORT DATE:**  
TODAY



AIHA  
EMPAT 221438

Authorization:



Andrew Daane, M.S.  
Laboratory Director

**REPORT CODE: M-HCS-EXAMPLE**

|                 |                                    |             |                   |                          |
|-----------------|------------------------------------|-------------|-------------------|--------------------------|
| Company         | Home Check Systems                 |             | Project Name      | EXAMPLE                  |
| Address         | 1933 Countess Ct, Naples, FL 34110 |             |                   |                          |
| Contact         | Markus Droscher                    |             | Project Address   | EXAMPLE                  |
| Phone           | 239-261-6300                       |             |                   |                          |
| Email           | hcs.naples@gmail.com               |             | Analyzed by/ Date | N/A   TODAY              |
| Lab ID Number   | 78826-1                            | 78826-2     | 78826-3           | Intentionally Left Blank |
| Collection Date | N/A                                | N/A         | N/A               |                          |
| Volume          | 25                                 | 25          | 25                |                          |
| Location        | Control                            | Main Living | Master            |                          |

| RESULT <sup>†</sup>                | CONTROL    |                      |            | NOT ELEVATED |                      |            | NOT ELEVATED |                      |            |  |
|------------------------------------|------------|----------------------|------------|--------------|----------------------|------------|--------------|----------------------|------------|--|
| % Slide Analyzed                   | 100        |                      |            | 100          |                      |            | 100          |                      |            |  |
| Spore Identification               | Raw Count  | Spore/m <sup>3</sup> | % of Total | Raw Count    | Spore/m <sup>3</sup> | % of Total | Raw Count    | Spore/m <sup>3</sup> | % of Total |  |
| Aspergillus/ Penicillium           |            | 0                    | 0          |              | 0                    | 0          |              | 0                    | 0          |  |
| Chaetomium                         |            | 0                    | 0          |              | 0                    | 0          |              | 0                    | 0          |  |
| Stachybotrys                       |            | 0                    | 0          |              | 0                    | 0          |              | 0                    | 0          |  |
| Alternaria                         |            | 0                    | 0          |              | 0                    | 0          |              | 0                    | 0          |  |
| Arthrinium                         |            | 0                    | 0          |              | 0                    | 0          |              | 0                    | 0          |  |
| Ascospores                         | 76         | 3040                 | 37         | 7            | 280                  | 21         | 6            | 240                  | 20         |  |
| Basidiospores                      | 118        | 4720                 | 58         | 26           | 1040                 | 76         | 18           | 720                  | 60         |  |
| Cladosporium                       | 4          | 160                  | 2          | 1            | 40                   | 3          | 5            | 200                  | 17         |  |
| Cercospora                         |            | 0                    | 0          |              | 0                    | 0          |              | 0                    | 0          |  |
| Curvularia                         | 1          | 40                   | 0          |              | 0                    | 0          |              | 0                    | 0          |  |
| Dreschlera/ Bipolaris/ Exserohilum |            | 0                    | 0          |              | 0                    | 0          |              | 0                    | 0          |  |
| Epicoccum                          |            | 0                    | 0          |              | 0                    | 0          |              | 0                    | 0          |  |
| Fusarium                           |            | 0                    | 0          |              | 0                    | 0          |              | 0                    | 0          |  |
| Ganoderma                          | 6          | 240                  | 3          |              | 0                    | 0          | 1            | 40                   | 3          |  |
| Memnoniella                        |            | 0                    | 0          |              | 0                    | 0          |              | 0                    | 0          |  |
| Myxomycetes/ Periconia/ Smut       |            | 0                    | 0          |              | 0                    | 0          |              | 0                    | 0          |  |
| Nigrospora                         |            | 0                    | 0          |              | 0                    | 0          |              | 0                    | 0          |  |
| Pithomyces                         |            | 0                    | 0          |              | 0                    | 0          |              | 0                    | 0          |  |
| Rust                               |            | 0                    | 0          |              | 0                    | 0          |              | 0                    | 0          |  |
| Spegazzinia                        |            | 0                    | 0          |              | 0                    | 0          |              | 0                    | 0          |  |
| Torula                             |            | 0                    | 0          |              | 0                    | 0          |              | 0                    | 0          |  |
| Ulocladium                         |            | 0                    | 0          |              | 0                    | 0          |              | 0                    | 0          |  |
| <b>Total Fungi</b>                 | <b>205</b> | <b>8200</b>          | <b>100</b> | <b>34</b>    | <b>1360</b>          | <b>100</b> | <b>30</b>    | <b>1200</b>          | <b>100</b> |  |
| Hypal Fragment                     |            | 0                    | N/A        |              | 0                    | N/A        |              | 0                    | N/A        |  |
| Insect Fragment                    |            | 0                    | N/A        |              | 0                    | N/A        |              | 0                    | N/A        |  |
| Pollen                             |            | 0                    | N/A        |              | 0                    | N/A        | 1            | 40                   | N/A        |  |
| Background Debris (1-5)            |            | 2                    |            |              | 2                    |            |              | 3                    |            |  |

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

**AIR RESULT KEY<sup>†</sup>**

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

**SURFACE RESULT KEY<sup>†</sup>**

|                        |  |                          |                     |
|------------------------|--|--------------------------|---------------------|
| <b>GROWTH LIKELY</b>   | ASSOCIATED WITH IICRC S520 CONDITION 3: ACTIVE MOLD    | <b>SURFACE LEVELS</b>    |                     |
| <b>GROWTH POSSIBLE</b> | ASSOCIATED WITH IICRC S520 CONDITION 2: SETTLED SPORES | Rare: 1-9 spores         | Low: 10-100 spores  |
| <b>GROWTH UNLIKELY</b> | ASSOCIATED WITH IICRC S529 CONDITION 1: NORMAL ECOLOGY | Medium: 101-1,000 spores | High: >1,000 spores |

## 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        |                      |            |
| <b>RESULT</b>        |                             | <b>CONTROL</b> |                      |            | <b>NOT ELEVATED</b> |                      |            | <b>ELEVATED</b> |                      |            |
| % Slide Analyzed     |                             | 100            |                      |            | 100                 |                      |            | 100             |                      |            |
| Spore Identification |                             | Raw Count      | Spore/m <sup>3</sup> | % of Total | Raw Count           | Spore/m <sup>3</sup> | % of Total | Raw Count       | Spore/m <sup>3</sup> | % of Total |
| Indicator            | Aspergillus/<br>Penicillium | 18             | 120                  | 100        | 8                   | 53                   | 89         | 139             | 927                  | 87         |
|                      | Chaetomium                  | 0              | 0                    | 0          | 0                   | 0                    | 0          | 20              | 133                  | 13         |
|                      | Stachybotrys                | 0              | 0                    | 0          | 1                   | 7                    | 11         | 0               | 0                    | 0          |

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

THE RAW COUNT, SPORE/M<sup>3</sup> 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<sup>3</sup> for a report to be Elevated. If the Outdoor Air had 0 spores/m<sup>3</sup>, then a level above 800 spores/m<sup>3</sup> in the Indoor Air would Elevate the report. If 120 spores/m<sup>3</sup> of Aspergillus/ Penicillium were found in the Outdoor Air, then a level above 120+800 (920) spores/m<sup>3</sup> would be required in the Indoors Air to Elevate the report.

## MOLD GLOSSARY

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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 HABIT AT      | 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 HABIT AT      | Ubiquitous  |
| INDOOR SUBSTRATES     | Various wetted substrates                               |

### **ARTHRIINIUM**

|                       |                                       |
|-----------------------|---------------------------------------|
| ALLERGIC POTENTIAL    | Some species recognized as allergenic |
| MODE OF DISSEMINATION | Wind                                  |
| NATURAL HABIT AT      | 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 HABIT AT      | Ubiquitous  |
| INDOOR SUBSTRATES     | Depends on genus and species  |

### **BASIDIOSPORES**

|                       |  |
|-----------------------|--|
| ALLERGIC POTENTIAL    | Rarely Type I (hay fever, asthma)              |
| MODE OF DISSEMINATION | Wind   |
| NATURAL HABIT AT      | 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 HABIT AT      | Plants                                |
| INDOOR SUBSTRATES     | Not known to grow indoors             |

### **CHAETOMIUM**

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

**CLADOSPORIUM**

ALLERGIC POTENTIAL Type I (hay fever, asthma)  
 MODE OF DISSEMINATION Airborne  
 NATURAL HABIT AT 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 HABIT AT 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 HABIT AT Soil, plant debris  
 INDOOR SUBSTRATES Textiles, paper

**FUSARIUM**

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

**GANODERMA**

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

**MEMNONIELLA**

ALLERGIC POTENTIAL Unknown  
 MODE OF DISSEMINATION Wind  
 NATURAL HABIT AT 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 HABIT AT 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 HABIT AT Grass, soil, seeds  
 INDOOR SUBSTRATES Not known to grow indoors

**PITHOMYCES**

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

**SPEGAZZINIA**

|                       |  |
|-----------------------|--|
| ALLERGIC POTENTIAL    | Rarely Type I (hay fever, asthma)  |
| MODE OF DISSEMINATION | Wind   |
| NATURAL HABITAT       | Dead leaves, herbaceous dead stems, soil, occasionally 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    |

**ULOCADIUM**

|                       |   |
|-----------------------|---|
| 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           |