



Customer:  
Address:

**Order #:** 107398

**Matrix** Air  
**Received** 06/18/14  
**Analyzed** 06/19/14  
**Reported** 09/24/14

**PO Number:** 7310

Attn:  
Project:  
Location:  
Number:

Sample ID	Cust. Sample ID	Location	Air Vol (L)	Spore Count	Concentration	Sample Date   Time
Spore Identification		Method				Sensitivity
<b>107398-001</b>	1E	Exterior				06/16/14
<i>Mold Direct Examination</i>						
Alternaria		MB-009	75	6	80 spores/m3	13.3 spores/m3
Ascospores		MB-009	75	342	4560 spores/m3	13.3 spores/m3
Aspergillus/Penicillium		MB-009	75	8	107 spores/m3	13.3 spores/m3
Basidiospores		MB-009	75	27	360 spores/m3	13.3 spores/m3
Cladosporium		MB-009	75	102	1360 spores/m3	13.3 spores/m3
Ganoderma		MB-009	75	11	147 spores/m3	13.3 spores/m3
Myxomycetes/Periconia/Smuts		MB-009	75	3	40 spores/m3	13.3 spores/m3
Speggazzinia		MB-009	75	1	13 spores/m3	13.3 spores/m3
Total Spores		MB-009	75	500	6670 spores/m3	13.3 spores/m3
<b>107398-002</b>	2I	Kitchen				06/16/14
<i>Mold Direct Examination</i>						
Ascospores		MB-009	75	65	867 spores/m3	13.3 spores/m3
Basidiospores		MB-009	75	11	147 spores/m3	13.3 spores/m3
Cladosporium		MB-009	75	18	240 spores/m3	13.3 spores/m3
Ganoderma		MB-009	75	1	13 spores/m3	13.3 spores/m3
Total Spores		MB-009	75	95	1270 spores/m3	13.3 spores/m3

Analyst: RH  
107398-09/24/14 04:08 PM

Reviewed By: \_\_\_\_\_

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## Mold Report Summary

**Alternaria** Reported to be a Type I allergen causing Hay Fever and Asthma as well as a Type III allergen causing hypersensitivity. Very common spore and can be found near condensation in window frames and showers as well as in house dust, paper, cosmetics, leather and building supplies.

**Ascospores** Reported to be allergenic. Health issues are dependent on genus and species.

**Aspergillus / Penicillium** Reported to be allergenic. Many species have been documented to produce mycotoxins, which may be associated with pulmonary disease in humans and other animals. Research studies have implicated several of these toxins as carcinogens in laboratory animals following inhalation. A wide number of organisms have been grouped into these two genera. Extremely difficult to identify down to species level. Typically identified in soil, cellulose, food, paint, compost piles, carpeting, wallpaper and in the fiberglass insulation used in interior ductwork.

**Basidiospores** Reported to be allergenic. These spores are produced by mushrooms and are difficult to identify down to species level.

**Cladosporium** Reported to be a Type 1 allergen causing Hay Fever and Asthma. Found in fiberglass duct liner, paint, textiles and water-damaged construction materials. Has been reported to produce the mycotoxins Cladosporin and Emodin.

**Ganoderma** Reported to be allergenic. No additional health data for this genus is available at this time. This class of fungal spores is most often found on conifers and hardwoods worldwide.

**Myxomycetes / Periconia / Smuts** Reported to be allergenic. This class of fungal spores is most often related to agriculture and plant disease and is rarely found indoors.

**Spegazzinia** No information regarding the health effects of this genus is available at this time. All molds should be treated as potential allergens.

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Accrediting bodies: AIHA-LAP, EMPAT.