

# MYCOMETRICS, LLC.

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*Mycometrics*  
From Research to Diagnostics™

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Client: Aerobiological Solutions Inc.

Address: 1300 Army Navy Drive, Arlington, VA 22202-2018

Project ID: 1-1023014MD

Date Sampled: NA

Date Received: February 4, 2011

Samples Submitted By: G. Weatherman

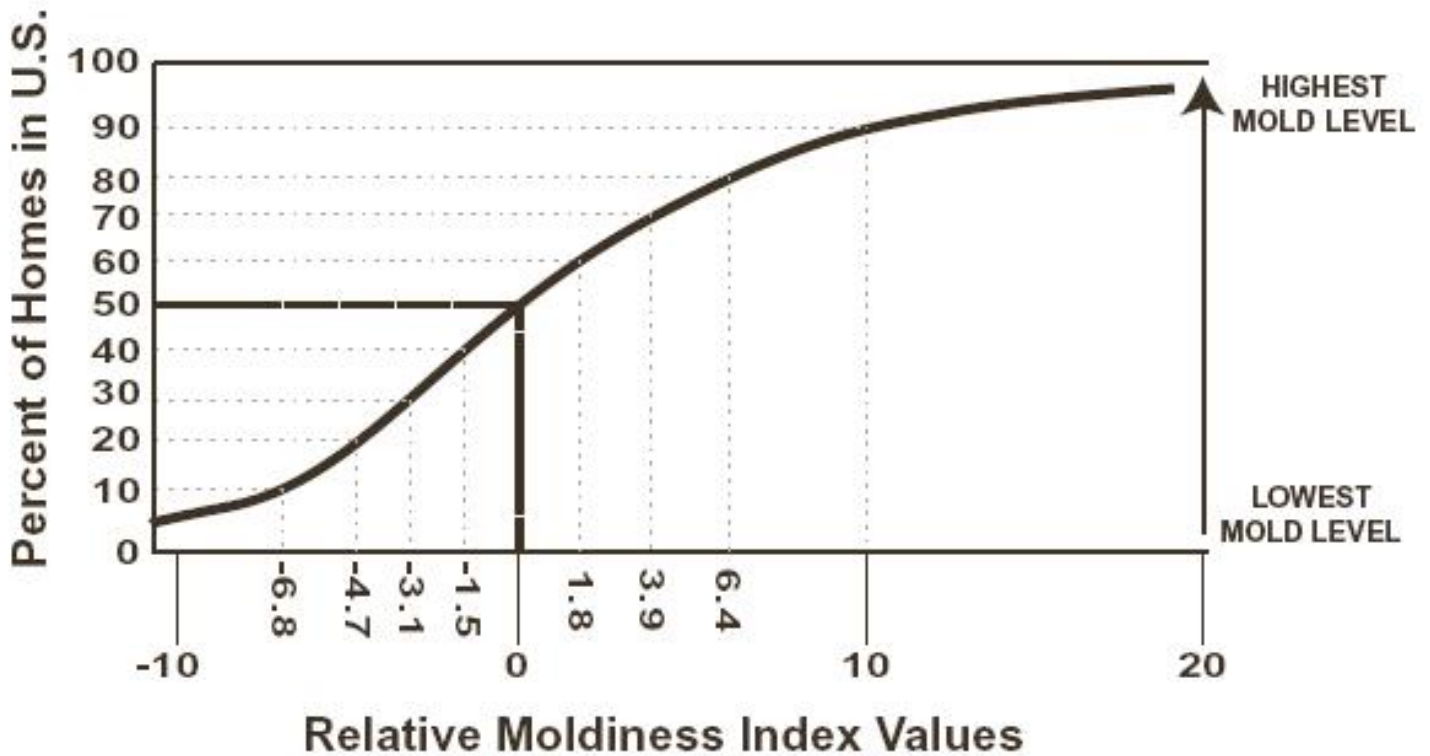
Date Analysis Completed: February 11, 2011

Mycometrics Report No.: 110204-004

Mycometrics Report Date: 02/11/2011



## ERMI Report



Location	9366A Esplanade Ct	9366A Esplanade Ct
	Spore E./mg	Spore E./mg
Fungal ID \ Sample ID	#1 Ground floor	#2 Bedroom
<i>Aspergillus flavus/oryzae</i>	<1	9
<i>Aspergillus fumigatus</i>	78	1
<i>Aspergillus niger</i>	45	66
<i>Aspergillus ochraceus</i>	19	2
<i>Aspergillus penicillioides</i>	140	22
<i>Aspergillus restrictus*</i>	170	ND
<i>Aspergillus sclerotiorum</i>	11	4
<i>Aspergillus sydowii</i>	8	ND
<i>Aspergillus unguis</i>	1	ND
<i>Aspergillus versicolor</i>	30	ND
<i>Aureobasidium pullulans</i>	8900	2200
<i>Chaetomium globosum</i>	20	14
<i>Cladosporium sphaerospermum</i>	8200	3800
<i>Eurotium (Asp.) amstelodami*</i>	200	31
<i>Paecilomyces variotii</i>	10	1
<i>Penicillium brevicompactum</i>	41	ND
<i>Penicillium corylophilum</i>	510	1
<i>Penicillium crustosum*</i>	75	10
<i>Penicillium purpurogenum</i>	ND	1
<i>Penicillium spinulosum*</i>	<1	ND
<i>Penicillium variable</i>	22	5
<i>Scopulariopsis brevicaulis/fusca</i>	1	<1
<i>Scopulariopsis chartarum</i>	25	ND
<i>Stachybotrys chartarum</i>	17	7
<i>Trichoderma viride*</i>	52	ND
<i>Wallemia sebi</i>	1600	40
<b>Sum of the Logs (Group I):</b>	<b>40.17</b>	<b>18.72</b>
<i>Acremonium strictum</i>	3	ND
<i>Alternaria alternata</i>	240	45
<i>Aspergillus ustus</i>	3	3
<i>Cladosporium cladosporioides 1</i>	16000	2200
<i>Cladosporium cladosporioides 2</i>	220	39
<i>Cladosporium herbarum</i>	1400	170
<i>Epicoccum nigrum</i>	790	270
<i>Mucor amphibiorum*</i>	16	19
<i>Penicillium chrysogenum</i>	390	140
<i>Rhizopus stolonifer</i>	11	ND
<b>Sum of the Logs (Group II):</b>	<b>20.76</b>	<b>15.15</b>
<b>ERMI (Group I - Group II):</b>	<b>19.41</b>	<b>3.57</b>

Location	9366A Esplanade Ct
	Spore E./mg
Fungal ID \ Sample ID	#3 Suspect rooms
<i>Aspergillus flavus/oryzae</i>	4
<i>Aspergillus fumigatus</i>	8
<i>Aspergillus niger</i>	5
<i>Aspergillus ochraceus</i>	5
<i>Aspergillus penicillioides</i>	66
<i>Aspergillus restrictus*</i>	ND
<i>Aspergillus sclerotiorum</i>	33
<i>Aspergillus sydowii</i>	ND
<i>Aspergillus unguis</i>	2
<i>Aspergillus versicolor</i>	13
<i>Aureobasidium pullulans</i>	2300
<i>Chaetomium globosum</i>	24
<i>Cladosporium sphaerospermum</i>	230
<i>Eurotium (Asp.) amstelodami*</i>	160
<i>Paecilomyces variotii</i>	4
<i>Penicillium brevicompactum</i>	28
<i>Penicillium corylophilum</i>	13
<i>Penicillium crustosum*</i>	35
<i>Penicillium purpurogenum</i>	ND
<i>Penicillium spinulosum*</i>	<1
<i>Penicillium variable</i>	15
<i>Scopulariopsis brevicaulis/fusca</i>	<1
<i>Scopulariopsis chartarum</i>	16
<i>Stachybotrys chartarum</i>	24
<i>Trichoderma viride*</i>	1
<i>Wallemia sebi</i>	470
<b>Sum of the Logs (Group I):</b>	<b>28.08</b>
<i>Acremonium strictum</i>	<1
<i>Alternaria alternata</i>	40
<i>Aspergillus ustus</i>	ND
<i>Cladosporium cladosporioides 1</i>	2900
<i>Cladosporium cladosporioides 2</i>	50
<i>Cladosporium herbarum</i>	410
<i>Epicoccum nigrum</i>	220
<i>Mucor amphibiorum*</i>	6
<i>Penicillium chrysogenum</i>	150
<i>Rhizopus stolonifer</i>	ND
<b>Sum of the Logs (Group II):</b>	<b>14.67</b>
<b>ERMI (Group I - Group II):</b>	<b>13.41</b>

The sample(s) in this report was/were received in acceptable conditions.

\*\* Concentration is rounded to two significant digits. Concentration is in Spore E./Sample if sample amount/area is NA. Spore E.: Spore equivalents; A spore equivalent may reflect the presence of any other fungal structures (i.e. mycelia) containing the same number of target genes as a spore.

ND: Not detected within 40 cycles of PCR amplification.

\* Genetically closed-related species may be detected in the indicator assay:

Eurotium (Asp.) amstelodami covers E. chevalieri, E. herbariorum, E. rubrum and E. repens.

Penicillium spinulosum covers P. glabrum, P. lividum, P. pupurescens, and P. thomii.

Trichoderma viride covers T. koningii and T. atroviride.

Aspergillus restrictus covers A. caesillus and A. conicus.

Mucor amphibiorum covers M. circinelloides, M. hiemalis, M. indicus, M. mucedo, M. racemosus, M. ramosissimus and Rhizopus zygosporus, R. homothalicus, R. microsporus, R. oligosporus, R. oryzae.

Penicillium crustosum covers P. camembertii, P. commune, P. echinulatum, P. solitum.

A handwritten signature in black ink, reading "King-Teh Lin". The signature is written in a cursive, flowing style.

Approved by: \_\_\_\_\_  
King-Teh Lin, Ph.D. Microbiologist