



# EMSL Analytical, Inc.

1101-A Aviation Parkway Morrisville, NC 27560

Phone: (919) 465-3900

Fax: (919) 465-3900

Email: [raleighlab@emsl.com](mailto:raleighlab@emsl.com)

Attn: Lora Durak  
Mira Mold  
PO Box 52376  
Durham, NC 27717

EMSL Order: 290803279  
Customer ID: MIRA22  
Received: 7/3/08  
Analyzed: 7/3/08  
Report Date: 7/3/08

Proj: Phase Change Energy Solutions

## Allergenco™ Cassette Analysis of Fungal Spores & Other Airborne Particulates by Optical Microscopy (EMSL Method M001)

Lab Sample Number:	290803279-0001	290803279-0002	290803279-0003	290803279-0004	
Client Sample ID:	1	2	3	4	
Volume (L):	90	90	90	0	
Sample Location:	Control Bldg	Test Bldg	Outside Back	Control Sample	
Spore Types	Count/m <sup>3</sup>	Count/m <sup>3</sup>	Count/m <sup>3</sup>	Count/m <sup>3</sup>	
Agrocybe/Coprinus	-	-	-	-	
Alternaria	35	70	210	-	
Ascospores	57400	46600	1820	-	
Aspergillus/Penicillium	140	175	-	-	
Basidiospores	1470	910	6860	-	
Bipolaris	175	70	-	-	
Chaetomium	-	-	-	-	
Cladosporium	1890	1860	2380	-	
Curvularia	-	35	-	-	
Epicoccum	35	70	70	-	
Fusarium	-	-	-	-	
Ganoderma	-	-	35	-	
Myxomycete	35	105	-	-	
Paecilomyces	630	70	-	-	
Rust	11*	11*	-	-	
Scopulariopsis	-	-	-	-	
Stachybotrys	-	-	-	-	
Torula	-	-	-	-	
Ulocladium	-	-	-	-	
Unidentifiable Spores	-	-	-	-	
Zygomycetes	-	-	-	-	
<b>Total Fungi</b>	<b>61800</b>	<b>50000</b>	<b>11400</b>	<b>No Trace</b>	
Fibrous Particulate	11*	35	-	-	
Hyphal Fragment	105	70	105	-	
Insect Fragment	70	-	-	-	
Pollen	-	-	-	-	
Analyt. Sensitivity 600x	35	35	35	-	
Analyt. Sensitivity 300x	11*	11*	11*	-	
Skin Fragments (1-4)	2	3	1	-	
Background (1-5)	3	4	1	-	

Accreditations: AIHA EMLAP 173741

Samples received in good condition unless otherwise noted.  
High Levels of background particulate can obscure spores and other particulates leading to underestimation.  
Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification.  
The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. \*\*\* Denotes particles found at 300X.  
Present= Spores found during additional scan at lower mag. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. Results have not been adjusted for field or laboratory blank unless otherwise noted.  
spv2.7.7.8

Alan Goldstein, Ph.D., Laboratory Manager  
or Other Approved Signatory