

**Built Environment Testing** 

Report for:

Mr. Quality Control EMLab P&K (QA) 1150 Bayhill Drive Suite 100 San Bruno, CA 94066

Regarding:

Eurofins EPK Built Environment Testing, LLC Project: Sample Report EML ID: 1014146

Approved by:

Murali R Putty

Technical Manager Murali Putty

Dates of Analysis: Spore trap analysis: 01-11-2013

Service SOPs: Spore trap analysis (EB-MY-S-1038) AIHA LAP, LLC accredited service, Lab ID #102856

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received and tested. Information supplied by the client which can affect the validity of results: sample air volume.

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Eurofins EPK Built Environment Testing, LLC's LabServe® reporting system includes automated fail-safes to ensure that all AIHA LAP, LLC quality requirements are met and notifications are added to reports when any quality steps remain pending.

## **Eurofins EPK Built Environment Testing, LLC**

111 Anza Boulevard, Suite 122, Burlingame, CA 94010 (833) 465-5857 www.eurofinsus.com/Built

Client: EMLab P&K (QA) C/O: Mr. Quality Control Re: Sample Report

Date of Sampling: 01-11-2013 Date of Receipt: 01-11-2013 Date of Report: 01-11-2013

#### SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	1: Outside Reference		2		3	
Comments (see below)	None		None		None	
Lab ID-Version <sup>‡</sup> :	4537964-1		4537965-1		4537966-1	
Analysis Date:	01/11/2013		01/11/2013		01/11/2013	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13			1	13
Ascospores	6	320	1	53	1	53
Basidiospores	14	750	2	110	4	210
Botrytis	2	27				
Chaetomium			2	27		
Cladosporium	22	1,200	47	2,500	9	480
Epicoccum	1	13				
Fusarium	1	13				
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†	12	640	39	2,100	11	590
Pithomyces						
Pyricularia	1	13				
Rusts	1	13				
Smuts, Periconia, Myxomycetes	3	40	1	13	3	40
Stachybotrys			4	53		
Stemphylium						
Torula						
Ulocladium	1	13				
Zygomycetes						
Background debris (1-4+)	2+		2+		2+	
Hyphal fragments/m3	40		200		27	
Pollen/m3	200		13		< 13	
Skin cells (1-4+)	< 1+		< 1+		< 1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		3,000		4,800		1,400

**Comments:** 

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.

<sup>†</sup> The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

 $^{++}$ Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m<sup>3</sup> divided by the raw count, expressed in spores/m<sup>3</sup>, per spore and per sample.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory. ‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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## SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

## PROJECT ANALYST AND SIGNATORY REPORT

**Project Analyst** 

Meg

Analyst: Malcolm Moody

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by AIHA LAP, LLC, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

<sup>‡</sup> A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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