

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: 1225184

Approved by:

Murali R Putty

Technical Manager Murali Putty

Dates of Analysis: Quantitative spore count direct exam: 06-24-2014

Service SOPs: Quantitative spore count direct exam (EM-MY-S-1041) 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.

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Eurofins EPK Built Environment Testing, LLC

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

Date of Sampling: 06-22-2014

Date of Receipt: 06-23-2014

Date of Report: 06-24-2014

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

OUANTITATIVE SPORE COUNT REPORT

Location:	1		2			
Comments (see below)	None			None		
Sample type	Bulk sample		Swab sample			
Lab ID-Version [‡] :	5574593-1			5574594-1		
Analysis Date:	06/24/2014			06/24/2014		
Dilution	1:1			1:40		
	raw ct.	spores/unit	growth	raw ct.	spores/unit	growth
Alternaria				1	370	_
Ascospores	2	43	-			
Basidiospores	1	22	_	2	730	_
Chaetomium				1	370	_
Cladosporium	9	200		97	35,000	< 1+
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types [†]	26	570	_	31	11,000	_
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes				3	1,100	-
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+) ^{††}	N/A			2+		
Sample size	1			1		
Unit	1 cm2			1 cm2		
Hyphal fragments/unit	<1			3,300		
§ TOTAL SPORES/UNIT		830			49,000	

Comments:

Dash ("-") means not detected. Quantities of molds seen growing on the surface sampled are listed in the "growth" column and are graded < 1+ to 4+, with 4+ denoting the highest numbers. This method differentiates between spores from mold growth and spores present because of normal fallout.

† 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.

it is be an indication of the amount of non-biological particulate matter present on the slide (dust in the air) and is graded from 1+ to 4+ with 4+ indicating the largest amounts. This background material is also an indication of visibility for the analyst and resultant difficulty reading the slide. For example, high background debris may obscure the small spores such as the Penicillium/Aspergillus group. Counts from areas with 4+ background debris should be regarded as minimal counts and may actually be higher than reported.

Where tape lifts are performed for bulk sample analysis, the unit reported is specific to the area of tape analyzed. Where swabs are performed, the unit reported is specific to the swab analyzed.

Due to the swab analyzed. Due to the inherent inhomogeneity and variable recovery rates of surface fungal samples, all reported spore counts are extrapolated estimates. Counts of fewer than 400 spores or greater than 40,000 spores are considered imprecise and not reproducible due to limitations in the counting method and equipment sensitivity. 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.

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

§ Total Spores/unit has been rounded to two significant figures to reflect analytical precision. The limit of detection is 1 spore per area analyzed; Analytical Sensitivity is 1 spore per unit times the dilution factor. 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.

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

OUANTITATIVE SPORE COUNT REPORT

	2				
3					
None					
Tape sample					
5574595-1					
06/24/2014					
1:1					
raw ct.	spores/unit	growth			
2	2	-			
7	7	-			
105	110	-			
160	160	-			
2+					
1					
1 cm2					
4					
	270				
	raw ct. 2 7 105 105 160 160 160 160 160 160 160 160	$\begin{array}{c c c c c c c c c c c c c c c c c c c $			

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QUANTITATIVE SPORE COUNT REPORT

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.

[‡] 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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