

Report for:

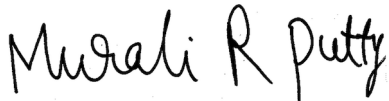
Mr. Quality Control
EMLab P&K (QA)
1150 Bayhill Drive
Suite 100
San Bruno, CA 94066

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: Sample Report
EML ID: 1225184

Approved by:

Dates of Analysis:

Quantitative spore count direct exam: 06-24-2014



Technical Manager
Murali Putty

Service SOPs: Quantitative spore count direct exam (EBET-DE-SOP84096 (formerly 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.

Eurofins EPK Built Environment Testing, LLC ("the Company"), a member of the Eurofins Built Environment Testing group of companies, shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

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

Date of Sampling: 06-22-2014
 Date of Receipt: 06-23-2014
 Date of Report: 06-24-2014

QUANTITATIVE 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 cm ²			1 cm ²		
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.

†† Background debris is 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 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 "x".

§ 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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 C/O: Mr. Quality Control
 Re: Sample Report

Date of Sampling: 06-22-2014
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QUANTITATIVE SPORE COUNT REPORT

Location:	3		
Comments (see below)	None		
Sample type	Tape sample		
Lab ID-Version‡:	5574595-1		
Analysis Date:	06/24/2014		
Dilution	1:1		
	raw ct.	spores/unit	growth
Alternaria			
Ascospores	2	2	-
Basidiospores	7	7	-
Chaetomium			
Cladosporium	105	110	-
Curvularia			
Epicoccum			
Fusarium			
Myrothecium			
Nigrospora			
Other colorless			
Penicillium/Aspergillus types†	160	160	-
Pithomyces			
Rusts			
Smuts, Periconia, Myxomycetes			
Stachybotrys			
Stemphylium			
Torula			
Ulocladium			
Zygomycetes			
Background debris (1-4+)††	2+		
Sample size	1		
Unit	1 cm2		
Hyphal fragments/unit	4		
§ TOTAL SPORES/UNIT		270	

Comments:

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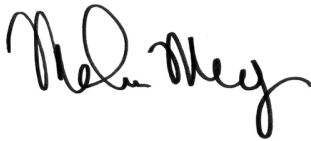
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111 Anza Boulevard, Suite 122, Burlingame, CA 94010
(833) 465-5857 www.eurofinsus.com/Built

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

Date of Sampling: 06-22-2014
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QUANTITATIVE SPORE COUNT REPORT
PROJECT ANALYST AND SIGNATORY REPORT

Project Analyst



Analyst: Malcolm Moody

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