eurofins | Built Environment Testing

Report for:

Mr. Quality Control
EMLab P&K (QA)
6000 Shoreline Ct
Ste 205
South San Francisco, CA 94080

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: Sample Report
EML ID: 1824173

Approved by:

Technical Manager
Ariunaa Jalsrai

REVISED REPORT

Dates of Analysis:
Legionella-ISO method: 11-01-2017

Service SOPs: Legionella-ISO method (EBET-PC-SOP84050 (formerly EB-BT-S-1045))
AIHA LAP, LLC accredited service, Lab ID #103005

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'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
3000 Lincoln Drive East, Suite A, Marlton, NJ 08053
(866) 871-1984 www.eurofinsus.com/Built

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

Date of Sampling: 10-18-2017
Date of Receipt: 10-18-2017
Date of Report: 11-01-2017

QUANTITATIVE *LEGIONELLA* REPORT

Location:	1: Sink		2: Faucet		3: Cooling Tower	
Comments (see below)	None		None		None	
Lab ID-Version‡:	8540674-3		8540675-2		8540676-2	
Analysis Date:	11/01/2017		11/01/2017		11/01/2017	
Sample type	Swab sample		Water sample		Water sample	
Volume filtered (ml)	N/A		200		N/A	
Reporting Units	1 swab		1 ml		1 ml	
Detection Limit†	< 20		< 0.1		< 4	
Analytical Sensitivity†	< 40		< 0.1		< 8	
	raw ct.	cfu*/unit	raw ct.	cfu*/unit	raw ct.	cfu*/unit
L. pneumophila serotype 1					1	8
L. pneumophila serotype 2-14						
Other Legionella species			10	1		
§TOTAL Legionella	ND	< 40	10	1	1	8

*cfu = colony forming units ND = none detected

Comments:

For water samples, the submitted volume affects dilution factor and limit of detection. A sample volume of at least 200ml is recommended for potable water samples for environments with high-risk populations and some other applications. Guidance on sampling, action thresholds and other relevant information can be found at (https://www.osha.gov) as well as other international, national and local agencies.

Identifiers listed without a count or data entry were not detected during the course of the analysis for the respective sample.

"Other Legionella species" include, but are not limited to, the following organisms: *Legionella anisa, Legionella bozemanii, Legionella dumoffii, Legionella gormanii, Legionella jordanis, Legionella longbeachae 1 and 2, and Legionella micdadei.*

† The limit of detection is a raw count of 1 at the lowest dilution plated, represented here as a theoretical detection limit of 1 raw count/ reporting unit x the dilution factor on the lowest dilution plated. The analytical sensitivity is represented as being equal to 1 raw count/ reporting unit x the dilution factor, but on the on the lowest reportable (or countable) dilution plated.

§ Total CFU/unit has been rounded to two significant figures to reflect analytical precision.

‡ 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". This report replaces the previous report released on November 1, 2017.

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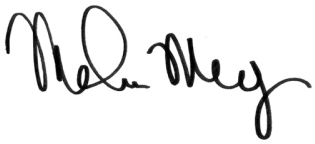
QUANTITATIVE *LEGIONELLA* REPORT

PROJECT ANALYST AND SIGNATORY REPORT

Project Analyst



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.

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