



Interface Research and Development
Tel: (706) 812-6266; Fax: (706) 883-6198
1603 Executive Drive
Lagrange, GA 30241

Lab Log # M18-072

Microbiology Laboratory Report

To: Les Bridwell, Cleaner Solutions
From: Daniel Price, Ph.D.
Brandi Prestridge
Date: 16 May 2018
Re: Sheet and Towel Samples from Quality Linen Services
Salisbury, MD for Standard and Non-Standard Hygiene Test

Introduction:

Sheet and Towel samples were submitted for standard and non-standard hygiene test. The samples were received on 5/10/2018 and processed on the 11th in our lab for bioburden assessment via RODAC plates.

Before submission to our lab, both samples were processed on site at Quality Linen Services Inc. 1751 Westwood Dr. Salisbury, MD 21801.

- 1 Quality Linens Sheet 5/2/18 Cleaner Solutions Non-Standard Hygiene
- 2 Quality Linens Sheet 5/2/18 Cleaner Solutions Standard Hygiene
- 3 Quality Linens Towel 5/2/18 Cleaner Solutions Non-Standard Hygiene
- 4 Quality Linens Towel 5/2/18 Cleaner Solutions Standard Hygiene

Materials and Methods:

The framework for this test is based on the US Pharmacopoeia basic methodology for detection and enumeration of microorganisms (aerobic bacteria and yeast and molds) using RODAC contact plates.

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Samples were processed inside a HEPA filtered clean room under a disinfected biosafety cabinet with a stainless-steel working surface.

Rodac plate samples (duplicate TSA and duplicate SDA) were taken of each sample submitted. Plate counts for each media type were totaled and the average counts were reported based on the following data treatment.

A Rodac plate sample area = 28.26 cm². Since there are 100 cm² in a square decimeter, a Rodac plate actually samples 0.283 square decimeters of material. A division factor of 0.283 is therefore used to convert actual observed Rodac colony counts to CFU/ sq. decimeter.

TSA Rodac plates were incubated at 30°C for 3 days prior to counting

SDA Rodac plates were incubated at 25°C for 5 days prior to counting

Results:

1 Quality Linens Sheet 5/2/18 Cleaner Solutions Non-Standard Hygiene

Test	Results
Total aerobic bacteria count TSA Rodac	0 CFU/sq. decimeter
Total yeast & mold count SDA Rodac	0 CFU/sq. decimeter

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2 Quality Linens Sheet 5/2/18 Cleaner Solutions Standard Hygiene

Test	Results
Total aerobic bacteria count TSA Rodac	1.76 CFU/sq. decimeter
Total yeast & mold count SDA Rodac	1.76 CFU/sq. decimeter

3 Quality Linens Towel 5/2/18 Cleaner Solutions Non-Standard Hygiene

Test	Results
Total aerobic bacteria count TSA Rodac	0 CFU/sq. decimeter
Total yeast & mold count SDA Rodac	0 CFU/sq. decimeter

4 Quality Linens Towel 5/2/18 Cleaner Solutions Standard Hygiene

Test	Results
Total aerobic bacteria count TSA Rodac	0 CFU/sq. decimeter
Total yeast & mold count SDA Rodac	0 CFU/sq. decimeter

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Criteria <20 CFU / sq. decimeter

Discussion:

The sheet and towel samples processed at Quality Linen on 5/2/2018 meet the specified hygiene criteria under these test conditions.

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