



Technical Service Report

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Location: Winston Salem, NC
TSN: K1408235
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Complaint/Description of Article

One laundered pillowcase has been submitted for microbial recovery analysis.

Evaluation/Testing

One laundered and customer-ready pillowcase has been submitted for determination of recoverable, viable microorganisms. The submitted textile was sampled following an assortment of modifications made to the laundering and finishing processes, which for the purposes of this test included the addition of a finishing aid under the tradename Q MICROSTATIC. Each textile piece was aseptically sampled to remove a 10 square inch (2 in. x 5 in.) piece of cloth. The cloth swatch was then macerated into 200 milliliters of sterile Phosphate Buffer. Ten 1-milliliter aliquots of the Buffer were subsequently plated onto Trypticase Soy Agar, and all plates incubated at 35 °C for 48 hours. The total number of recoverable microorganisms was then counted, and the results calculated per square inch of cloth. The results are presented in Table 1.

Table 1) Microbial Counts of Submitted Textiles

Sample	Microorganisms per square inch
Pillowcase	4 cfu/ 1 in ²

CLEANER SOLUTIONS MICROSTATIC Antimicrobial Fabric Protection

Conclusions/Recommendations

The results of the fabric extraction for recoverable microorganisms, often termed Hygienically Clean status, reveal low numbers of recoverable microbial counts. The pillowcase evidenced a low number of recoverable colony forming units (cfu) per square inch of cloth and would have been considered a passing status against legacy microbial recovery testing protocols; including meeting the TRSA Hygienically Clean pass/fail criteria of 20 cfu/square inch (cfu/in²) as published in the 05/01/2014 Standards.

Moving forward, and to support Crothall Healthcare in their quality programs, additional linens could be obtained during subsequent Gurtler Service Visits.

Respectfully submitted;
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(ref. KPM2-16)