NSF
TESTING RESULTS REPORT

July 31, 2006

Client: Samsung Electronics Co., LTD.

Test Item: Samsung SilverCare® Washing Machine

Testing Procedure: These data were developed at the request of Samsung to support marketing claims and due diligence efforts. The test procedure developed by Global Lifescience Solutions™, LLC (an NSF International Company) is based on the EPA Standard DIS/TSS 13 with modifications to appropriately evaluate the technology. In addition, the ASTM Standard E2406-04 Standard Test Method for Evaluation of Laundry Sanitizers and Disinfectants for Use in High Efficiency Washing Operations was used as guidance in developing the test procedure. Organisms tested included *Klebsiella pneumoniae* (ATCC 4352) and *Staphylococcus aureus* (ATCC 6538). These organisms are recommended for use in the evaluation of chemical sanitizers intended for use in laundry operations as described in Efficacy Data and Labeling Requirements: Laundry Additives -Disinfection and Sanitization (U.S. EPA DIS/TSS-13). Triplicate runs were completed on two test machines (Machine A and B) and the overall average percent reductions were calculated based on the geometric mean of the individual runs. Test runs included an 8 lb white test load, soiled swatches, 70 grams of Tide HE detergent and three denim swatches inoculated with the test organism.

Cycle settings for the sanitization tests were: Normal cycle, Water Temperature: Cold/Cold, Medium spin, Normal soil, Silver setting "On", and Default rinse.

Results: The Silvercare® Washing Machines achieved 99.9% reduction of *S. aureus* for both Machine A and B based on a single test run on each unit. Both machines A and B achieved 99.9% or better reduction against *K. pneumoniae* based on four test runs on each unit.

Conclusion: The Samsung SilverCare® Washer sanitizes laundry in cold water without bleach.

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