



CLIENT: Microgen Inc.
33 Clinton Rd, Suite 102
Clinton Square Executive Center
West Caldwell, NJ 07006

Attn.: Robert G. Prince

Test Report No: 46809

Date: January 07, 2004

SAMPLES SUBMITTED BY CLIENT AS: Two (2) Carpets identified as **Corridor Area** and **Lobby Landing** and one (1) Surface disinfectant product

Surface Disinfectant

Airkem® Brand, HB Quat™, Ecolab® Inc. EPA Reg No. 61178-1-42964

3M® , Inc. HB Quat Disinfectant Cleaner Concentrate™. Brand 25H (CCX-151) EPA Reg. No. 61178-5-10350.

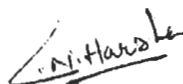
DATE OF RECEIPT: December 12, 2003

TESTING PERIOD: December 15, 2003 - January 07, 2004

TEST REQUESTED: Colorfastness to Disinfectants (as per client's instructions, Federal specification CCC-W-408D was used as a reference guide) Please refer to page 2 for a detailed description

TEST RESULTS: Please refer to the following pages

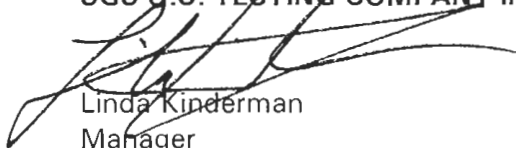
PREPARED BY:


Harshavardhan Chenna Narendra
Technician – Flammability
Textiles

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Note: Returning tested specimens to client

**SIGNED FOR AND ON BEHALF OF
SGS U.S. TESTING COMPANY INC.:**


Linda Kinderman
Manager
Textiles Laboratory

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CLIENT: Microgen, Inc.

Aim: To determine the effect of Surface disinfectants on the color change of carpets.

Test Apparatus (as Received):

- I. One RL FLQ Master, Model 614, 4 Gallons Back Sprayer filled with Airkem® Brand, HB Quat™, Ecolab® Inc.
- II. Mielo vacuum cleaner.

Samples:

- I. **Corridor Area** and **Lobby Landing** carpets cut into 2ft X 2ft pieces representing the whole carpet sample.
- II. Surface disinfectant Airkem® Brand, HB Quat™, Ecolab® Inc.

Procedure:

- (As per Client's Instructions, Federal specification CCC-W-408D was used as a reference guide.)
- I. Two specimens from each carpet were vacuumed using the Mielo vacuum cleaner. One of each of these was used as the Control.
 - II. The other specimens were sprayed very lightly with HB Quat™ disinfectant using RL FLQ Master, Model 614, 4 Gallons back sprayer.
 - III. The specimens were allowed to dry at room temperature and the end point was subjectively assessed.
 - IV. Steps II-III were repeated until 7 cycles (times) were finished.
 - V. The specimen was then graded for color change evaluation. The evaluation of change in color was based on AATCC Grades.



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Results:

**Colorfastness of Carpets to
Disinfectants**

<u>Carpet</u>	<u>AATCC Rating</u>
Corridor Area	4.0
Lobby Landing	4.0

Colorfastness Key to Grade Rating

Grade 5 - Negligible or no color change

Grade 4 - Slight or negligible color change

Grade 3 - Noticeable color change

Grade 2 - Considerable color change

Grade 1 - Much color change

The above grade ratings were determined through the use of the AATCC Gray Scales for evaluating color change.

***** End of Report*****