



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

Attn.: Robert G. Prince

| | |
|-----------------------------------|-------------------------------|
| Test Report No: 555552-01a | Date: November 6, 2003 |
|-----------------------------------|-------------------------------|

SAMPLES SUBMITTED BY CLIENT AS: One (1) Multicolored Carpet manufactured by Brinton Ltd., U.K., and one (1) Surface disinfectant product

| <u>Carpet</u> | <u>Surface Disinfectants</u> |
|---------------------|--|
| Multicolored Carpet | Airkem® Brand, HB Quat™, Ecolab® Inc. EPA Reg No: 61178-1-42964, CCX-151 Brand 25H, 3M, Inc., EPA Reg no: 61178-5-10350 |

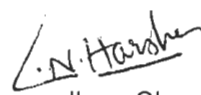
DATE OF RECEIPT: October 29, 2003

TESTING PERIOD: October 29 - November 03, 2003

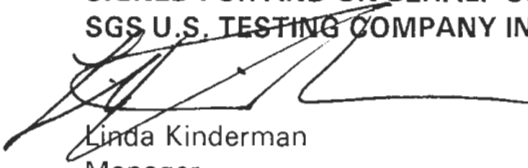
TEST REQUESTED: Colorfastness to Disinfectants (as per client's instructions, Federal specification CCC-W-408D was used as a reference guide.) Please refer to page 2 for a detailed description

TEST RESULTS: Please refer to the following pages

PREPARED BY:


 Harshavardhan Chenna Narendra
 Technician – Flammability
 Textiles
 ts
 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 effects 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. A roll of multicolored carpet which was cut into identical pieces.
- 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 the multicolored carpet were vacuumed using the Mielo vacuum cleaner. One of these was used as the Control.
- II. The other specimen was sprayed very lightly with HB Quat™ disinfectant using RL FLQ Master, Model 614, 4 Gallons back sprayer.
- III. The specimen was 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 change in color evaluation was based on AATCC Grades.



CLIENT: Microgen, Inc.

Results:

Colorfastness of Carpets to Disinfectants

| <u>Carpet No.</u> (Color No. as Identified on Specimen Cards) | <u>AATCC Rating</u> |
|--|---------------------|
| 1 | 4.0 |
| 2 | 4.5 |
| 3 | 4.0 |
| 4 | 3.5 |
| 5 | 4.5 |
| 6 | 4.0 |
| 7 | 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***



~~Microgen~~
Labs Added
Ref to Report
See New original
CCX-151-4050

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(Please refer to page 2 for a detailed description)

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Harshavardhan Chenna Narendra

Harshavardhan Chenna Narendra
Technician – Flammability
Textiles

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Linda Kinderman

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Manager
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PAGE 1 OF 3

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