

Test report number 1803409 according to DIN EN 13697/2001
Quantitative surface test for the evaluation of bactericidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas
(dirty conditions)

This test report substitutes test report 0735138-3

Identification of the test laboratory: SGS Gemany GmbH
 Laboratory Services Hamburg
 Weidenbaumsweg 137, 21035 Hamburg

Identification of the product:

Product name: **Bacoban® DL**
 Batch number: 20070601-WDM-konz-krei
 Manufacturer: Ropimex R. Opel GmbH, Bildstocker Str. 12, 66538 Neunkirchen
 Date of delivery: 2007-06-04
 Storage conditions: room-temperature
 Active ingredient(s): not indicated

Test method and its validation:

Method: Dilution neutralization method
 Neutraliser: 3% Tween 80 + 3% Saponin + 0,1% Histidin + 0,3% Lecithin + 0,5% Na-thiosulfat diluted in NaCl-solution
 Information about sterilization: 15 min. 121°C +/- 1°C

Test conditions:

Period of analysis: 17.08.07-30.08.07
 Appearance of the product: product: light yellow / dilutions: light and clear
 Test concentration (vol.-%) 1,0%; 0,75%; 0,5%
 Diluent of the Dilution: water standardised hardness (pH 7,0 +/- 0,2)
 contact time: 15 min.
 Test temperature: room-temperature (24°C)
 Interfering substances: 0,3% bovine albumin (dirty conditions)
 Referenced strain: *Pseudomonas aeruginosa* ATCC 15442
Staphylococcus aureus ATCC 6538
Enterococcus hirae ATCC 10541
Escherichia coli ATCC 10536
 Temperature of incubation: 37 ± 1 °C
 Counting method: pour plate

Test results: see table 1

Conclusion:

According to EN 13697/2001 the product Bacoban® DL shows a bactericidal activity against the test strains stated above at 0,5 vol.-% concentration in a dilution with hard water after 15 minutes under dirty conditions (required reduction: log 4).

Hamburg, 10.7.13

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