

Order no.: AB-150898

Customer ID:

Sampling by: customer

Date of sampling: 12.05.2015

Date of receipt: 12.05.2015

Date of test start: 19.05.2015

22 May 2015

Test Report

Determination of the activity of antimicrobial agents in polymeric or hydrophobic materials

Order no. customer: PECO-150512-88-ps
 Sample: **Saekaphen SI 17 TC Antibakteriell**
 Batch no.: /
 Control sample: Saekaphen-Si-17E 0-Probe
 Test method: ASTM E 2180-07, modified (Standard test method for determining the activity of incorporated antimicrobial agent(s) in polymeric or hydrophobic materials)

Test surface area: 2.0 x 4.0 cm
 Agar slurry composition: 8.5 g/l NaCl containing 5 g/l agar
 Inoculum volume: 0.9 ml
 Exposure time: 24 h
 Exposure temperature: 22.5 ± 2.5°C

Test organism: **Escherichia coli ATCC 8739**

	Replicate 1 (cfu)	Replicate 2 (cfu)	Replicate 3 (cfu)	Geometric mean (cfu)
Control sample (0 h)	2.1 x 10 ⁶	3.5 x 10 ⁵	8.5 x 10 ⁵	8.5 x 10 ⁵
Control sample (24 h)	2.1 x 10 ⁶	7.1 x 10 ⁶	2.5 x 10 ⁶	3.3 x 10 ⁶
Treated sample (24 h)	3.6 x 10 ⁴	5.6 x 10 ⁴	1.2 x 10 ³	1.3 x 10 ⁴

$$\text{Reduction after 24 h} = \frac{(3.3 \times 10^6 - 1.3 \times 10^4) \times 100}{3.3 \times 10^4} = 99.6\% \text{ (2.4 log units)}$$

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The results reported here relate exclusively to the presently investigated sample. Specifications of analytical reliability can be obtained from the laboratory upon request.