



Description: Testing the efficacy of chemical disinfectants and antiseptics

Sample ID: D302/2016

Rep No: 16

Sample name: **DENTIRO® Sensitive**

Sampled: by client

Sampling point: OCC Switzerland, Oro Clean Chemie AG, Switzerland

Client: OCC Switzerland, Oro Clean Chemie AG, Fehraltorf, Switzerland

Sampling date: 4.11.2016

Sample delivered: 9.11.2016

Testing date: 21.2. – 22.2.2017

Delivered amount: 1 l

Batch No: 16-12711

Page: 2

Subject of testing:

Determination of bactericidal activity of the product.

Identification of the sample:

Name of the product:

**DENTIRO® Sensitive**

Batch number:

16-12711

Date of manufacture:

not available

Expiry date:

10/2020

Manufacturer:

OCC Switzerland, Oro Clean Chemie AG, Allmendstrasse 21, 8320 Fehraltorf, Switzerland

Incoming date:

9.11.2016

Storage conditions:

room temperature

Active compounds and concentrations in 100 g:

20 g ethanol (CAS: 64-17-5), 28 g 1-propanol (CAS: 71-23-8)

Experimental conditions:

**Testing of disinfecting efficiency of chemical disinfecting and antiseptic agents on carriers SOP-M-22-12 (EN 13697:2015)**

Period of analysis:

21.2. – 22.2.2017

Test temperature:

18 °C ± 1 °C to 25 °C ± 1 °C

Test method:

dilution neutralization method

Neutralization medium:

Dey-Engley Neutralizing Broth M 1062

Appearance of the product:

colourless liquid

Test concentration:

100% (concentrated)

Contact time:

1 min and 2 min

Interfering substances:

0.3 g/l BSA (clean conditions)

Test organisms:

*Escherichia coli*

ATCC 10536

*Pseudomonas aeruginosa*

ATCC 15442

*Staphylococcus aureus*

ATCC 6538

*Enterococcus hirae*

ATCC 10541

Incubation conditions:

37 °C ± 1 °C, 24 hours

Test procedure:

1. Preparation of the test suspension
2. Preparation of product test solutions
3. Quantitative carrier test
4. Incubation and calculation
5. Expression and interpretation of results

Note:

Bactericidal activity – the capability of a product to produce a reduction in the number of viable bacterial cells of relevant organisms on carriers under defined conditions by at least 4 orders ( $10^4$ ). The drying time: 25-30 min

The standard:

EN 13697:2015 Chemical disinfectants and antiseptics – Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas - Test method and requirements without mechanical action (phase 2, step 2) April 2015

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Interpretation:

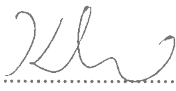
Results of tests are in Tabs.

According to EN 13697:2015 the tested concentrated product **DENTIRO® Sensitive**, batch No. 16-12711, in the contact times 1 min and 2 min under clean conditions at temperature  $20\text{ °C} \pm 1\text{ °C}$  by the dilution neutralization method **decreased** on carriers (stainless steel discs) the number of alive microbes *Escherichia coli* ATCC 10536, *Pseudomonas aeruginosa* ATCC 15442, *Staphylococcus aureus* ATCC 6538, *Enterococcus hirae* ATCC 10541 by at least 4 (lg) orders.

Conclusion:

The product **DENTIRO® Sensitive** is capable of reducing the number of viable bacterial cells of the relevant organisms on carriers under defined conditions to the declared values, and consequently, may be called bactericidal on carriers.

11.5.2017, Hodonín

  
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Ing. Eva Kremlova, Leader of Study

