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## Test report No. D302/2016

## DETERMINATION OF BACTERICIDAL (EN 13697) ACTIVITY OF THE PRODUCT **DENTIRO®** Sensitive

Sample ID: D302/2016

Sample name: DENTIRO® Sensitive

Page: 1 From pages: 5

Client: OCC Switzerland, Oro Clean Chemie AG, Allmendstrasse 21, 8320 Fehraltorf, Switzerland Producer: OCC Switzerland, Oro Clean Chemie AG, Allmendstrasse 21, 8320 Fehraltorf, Switzerland Sampling point: OCC Switzerland, Oro Clean Chemie AG, Allmendstrasse 21, 8320 Fehraltorf, Switzerland

Incoming date: 9.11.2016

Delivery date: 11.5.2017

Hodonín, 11.5.2017

Ing. Jana Stiffová, Head of Laboratory

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Description: Testing the efficacy of chemical disinfectants and antiseptics

Sample 1D: 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

Batch No: 16-12711 Page: 2

Sampling date: 4.11.2016

Delivered amount: 1 l

Sample delivered: 9.11.2016

Testing date: 21.2. - 22.2.2017

Subject of testing:

Determination of bactericidal activity of the product.

Identification of the sample:

**DENTIRO®** Sensitive Name of the product:

Batch number: 16-12711 not available Date of manufacture: 10/2020 Expiry date:

OCC Switzerland, Oro Clean Chemie AG, Allmendstrasse 21, 8320 Manufacturer:

Fehraltorf, Switzerland

9.11.2016 Incoming date: 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)

Testing of disinfecting efficiency of chemical disinfecting and Experimental conditions:

antiseptic agents on carriers SOP-M-22-12 (EN 13697:2015)

21.2. - 22.2.2017Period of analysis:

 $18 \, ^{\circ}\text{C} \pm 1 \, ^{\circ}\text{C}$  to  $25 \, ^{\circ}\text{C} \pm 1 \, ^{\circ}\text{C}$ Test temperature: dilution neutralization method Test method:

Dey-Engley Neutralizing Broth M 1062 Neutralization medium:

colouless liquid Appearance of the product: 100% (concentrated) Test concentration: 1 min and 2 min Contact time:

0.3 g/l BSA (clean conditions) Interfering substances:

ATCC 10536 Escherichia coli Test organisms: ATCC 15442 Pseudomonas aeruginosa

ATCC 6538 Staphylococcus aureus ATCC 10541 Enterococcus hirae

 $37 \, ^{\circ}\text{C} \pm 1 \, ^{\circ}\text{C}$ , 24 hours Incubation conditions:

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

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 (104). 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

<u>Description:</u> 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: 11 Batch No: 16-12711

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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 °C ± 1 °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

Ing. Eva Kremlová, Leader of Study

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