

**DÜRR SYSTEM-HYGIENE  
MD 550**

**Spittoon Bowl Cleaner**

Ready-to-use special cleaner with disinfecting activity  
for the cleaning and care of spittoon bowls  
in dental units

HygCen GmbH • Postfach 11 01 35 • D-19001 Schwerin

orochemie  
Dürr + Pflug GmbH + Co KG  
Max-Planck-Str. 27

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Akkreditiert durch  
Zentralstelle der Länder  
für Gesundheitsschutz  
bei Arzneimitteln  
und Medizinprodukten  
ZLG-P-715.98.132005-11-03  
Prof. We/ku**DÜRR SYSTEM-HYGIENE**  
**MD 550 orotol<sup>®</sup>**  
**Spittoon bowl cleaner**  
**Quantitative Suspension test**  
**DIN EN 13727 (March 2004) – bactericidal efficacy**  
**(phase 2, step 1)****TEST REPORT**

Identification of the test laboratory: SN 4937

Test product: DÜRR SYSTEM-HYGIENE  
MD 550 orotol<sup>®</sup> Spittoon bowl cleaner

Batch number : 53035 (WF-055)

Manufacturer: orochemie

Date of order: 2005-09-28

Date of delivery: 04.10.2005-10-04

Appearance: clear colourless liquid

Odour: aromatic

Active substances per 100 g: 40 g ethanol

SN 4937 DIN EN 13727page 1 of 9

**Conclusion:** According to DIN EN 13727 (03/2004) the batch 53035 (WF-055) of the product DÜRR SYSTEM-HYGIENE MD 550 orotol<sup>®</sup> Spittoon bowl cleaner possesses a bactericidal activity under clean conditions (0.03 % albumine) in 30 seconds for the referenced strains *Staphylococcus aureus*, *Enterococcus hirae* and *Pseudomonas aeruginosa* when diluted at 50 % (v/v) in distilled water.

**Archive:** **The raw data with respect to this test and a copy of the report will be maintained by HygCen in the archive.**

**Information:** The test results are valid for the named test subject only. Reproduction of any part of this report requires the written permission HygCen GmbH.



Prof. Dr. med. H.-P. Werner  
Manager of scientific-technical affairs



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Prof. We/ku**DÜRR SYSTEM-HYGIENE**  
**MD 550 orotol<sup>®</sup>**  
**Spittoon bowl cleaner**  
**DIN EN 13624 (February 2004)**  
**Quantitative Suspension test – fungicidal efficacy –**  
**(phase 2, step 1)****TEST REPORT**

Identification of the test laboratory: SN 4937

Test product: DÜRR SYSTEM-HYGIENE  
MD 550 orotol<sup>®</sup> Spittoon bowl cleaner

Batch number: 53035 (WF-055)

Manufacturer: orochemie

Date of order: 2005-09-28

Date of delivery: 2005-10-04

Appearance: clear colourless fluid

Odour: aromatic

Active substances per 100 g: 40 g ethanol

SN 4937 DIN EN 13624 page 1 of 5

**Conclusion:** According to DIN EN 13624 (February 2004) the batch 53035 (WF 055) of the product DÜRR SYSTEM-HYGIENE MD 550 orotol<sup>®</sup> Spittoon bowl cleaner possesses a fungicidal activity under clean conditions (0.03 % albumin) in 2 minutes for the referenced strain *Candida albicans* when diluted at 80 % (v/v).

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August 30, 1993  
Dr.Wf./Te.

## **DÜRR SYSTEM-HYGIENE**

### ***MD 550*** **Spittoon Bowl Cleaner**

### ***Expertise*** **on the results of testing the disinfecting activity of *MD 550*** **against bacteria and fungi**

The effectiveness of *MD 550* against bacteria and fungi was examined in a modified qualitative suspension test, in the presence of 0.2 % Albumin, in accordance with the DGHM (= German Society for Hygiene and Microbiology) Guidelines for "Testing and Assessing Chemical Disinfecting Methods, first sub-paragraph, as of 01.01.1981".

#### **Evaluation**

The results of the qualitative suspension test (with 0.2 % Albumin additive) show that *MD 550* as ready-to-use solution (100 %) is effective against bacteria and fungi within **1 minute**.

(Dr. rer. nat. K.-M. Wolf)

(Dr. rer. nat. D. Heermann)

8 January 1997  
BR/TE

**DÜRR SYSTEM-HYGIENE  
MD 550 OROTOL®  
Spittoon Bowl Cleaner**

**Investigations into the material compatibility  
here: Material compatibility of seals used in amalgam separators  
towards MD 550**

**Purpose:**

It was the purpose of the test to examine the material compatibility of a combination of seals consisting of a white seal and an O-ring towards MD 550.

**Test method:**

The white seals and the o-rings were immersed separately into MD 550 (100 %) for a period of time of 21 days at a storage temperature of 40 °C. After the storage, the test pieces were first rinsed with water (40 °C) and then with purified water. The test pieces were dried and weighed. The weights were compared with the initial weights (data: see enclosure).

**Results:**

The material compatibility is very good regarding all the tested combinations. There is a weight increase of approximately 1.3 % when using MD 550. Taking the storage temperature and the concentrations used into consideration, one can proceed from the fact that there will be a very good material compatibility in practice.

(P. Brauner)