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Bad Bocklet, 23 February 2010

Test Report

Sample: DENTIRO® Sensitive

L+S-No.: 02301018

Order: Quantitative Suspension test according to EN 14348

(Letters from 22.02.2008, 17.02.2010)

The test results apply solely to the designated samples.
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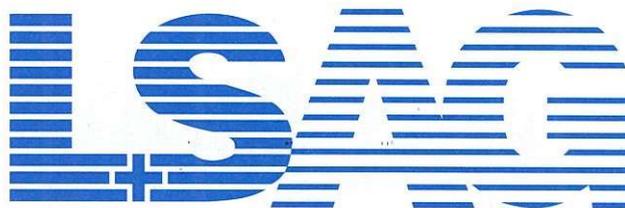
- Test Report on DENTIRO® Sensitive (EN 14348, *M. terrae* and *M. avium*) - L+S-No.: 02301018 - Page 1 of 7 -

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USt.-Id.-Nr.: DE 814360374 · D-U-N-S-Nr.: 313 710 642



Material and method

Quantitative suspension test according to EN 14348

1. Identification of the testing laboratory

Labor L+S AG
Mangelsfeld 4

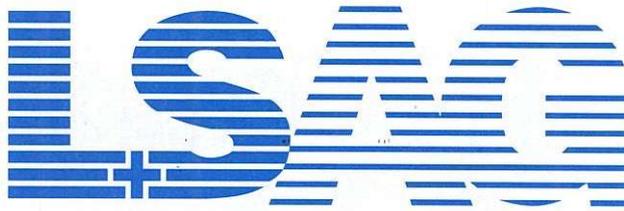
D - 97708 Bad Bocklet

2. Identification of the sample

Product name: DENTIRO® Sensitive
Lot: 6139
Expiry date: 11/2011
Appearance of the product: liquid, clear, colourless
Active substances (per 100 g): 20.0 g ethanol
28.0 g 1-propanol
0.056 g didecylmethylpoly(oxyethyl)ammoniumpropionate
pH-value (80%): 6.0
Date of delivery: 26 February 2008
Manufacturer (distributor): Oro Clean Chemie AG
Storage conditions: room temperature

3. Experimental conditions

Period of analysis: 03.03.2008 to 25.03.2008
Test strains: *Mycobacterium (M.) terrae* ATCC 15755
Mycobacterium (M.) avium ATCC 15769
Test concentration: 80%
Contact time: 1 min
Organic loading: 0.3% albumin + 0.3% erythrocytes
Test temperature: 20°C ± 1°C
Conditions of incubation: 21 days, 37°C ± 1°C



4. Test method and its validation

Test method: dilution-neutralisation

Inactivation combination: 1.0% Tween 80, 3.0% saponin, 0.1% histidin, 0.5% sodium-thiosulfate in M/15 phosphate buffer

The results of the validation tests A, B and C (*M. avium*) proved the validity of the method in all cases. In the validation test C (*M. terrae*) an incomplete inactivation was detected in the undiluted mixture of the neutralisation control as well as the test neutralisation mixture of the test solution. Accordingly, the dilution which demonstrated adequate inactivation – and thus valid results – was used in the calculation of microbial count reduction.

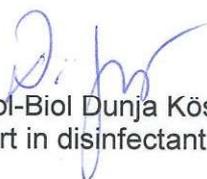
5. Test results

The results are given in tables 1 - 2.

6. Conclusion

In accordance with the requirements of EN 14348 the product **DENTIRO® Sensitive** showed the required microbial reduction of > 4.0 log against *Mycobacterium terrae* and *Mycobacterium avium* under the tested conditions at a concentration of 80% after a contact time of 1 minute at a test temperature of 20°C (for detailed results see tables 1 - 2).


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