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Test Report No.: **305.931** Date: **2006-03-15**

Disinfectability of Fundermax Compact Board Interior Plus

Client:	FunderMax GmbH Attn. Dr. Michael Peham Klagenfurter Str. 87-89 9300 St. Veit/Glan Austria
Test item(s):	Fundermax Compact Board Interior Plus
Task:	Analysis of disinfectability
Order:	Order of 2006-01-23
Date of sampling:	—
Location of sampling:	No samples taken by ***ofi*** staff Samples provided by ***ofi***'s client
Receipt of samples:	2006-01-23
Ref:	Dr. Wep.

1 SCOPE OF WORK

According to the order the samples provided were to be tested for disinfectability of surfaces.

2 SCOPE OF APPLICATION

The results given in this test report have been obtained under the specific conditions of the individual tests. As a rule they are not the only criteria for assessing the product in question and its suitability for a specific purpose of application.

3 SAMPLE MATERIAL

Our client submitted the following samples for the purpose of testing:

- Fundermax Compact Board Interior Plus, 4 pieces., format A4

Other documents submitted by our client:
No (other) documents submitted.

4 TESTS

The concrete examinations were performed from 2006-02-27 to 2006-03-02.

Testing for disinfectability was performed according to internal standard operating procedure SOP 110.010 with the following disinfectants and test strains:

Test strains

Escherichia coli (DSM 787)

Staphylococcus aureus (DSM 346)

Disinfectants

- Ethanol 70 % w/w
- Formaline 5 % v/v
- p-Chloro-m-Cresol 0,3% w/v
- Tosylchloramid-Sodiumsalt 5% w/v
- Alkyldimethyl benzyl ammonium chloride (B.A.C.) 0,1% w/v
- Buraton (undiluted, in trade-usual concentration)
- Betaisodona (undiluted, in trade-usual concentration)

The specimens (16 cm^2 surface) were treated with 0,05ml bacterial suspension (10^8/ml) and dried for an hour at room temperature.

Then the test areas were coated with 0,5 ml disinfectant, which was spread with a sterile cotton swab. One hour later a surface contact culture was made with Rodac plates (Contact Agar Tryptic Soy +LTH with cams, Heipha-Diagnostika, Ref. 229e, Lot. Nr. 71638, Abl. 2006-03-07) and incubated at 35°C for 18 hours, followed by colony counting.

Survival controls were prepared with diluted bacterial suspension and sterile water instead of disinfectant. For reasons of comparison the same analysis were performed using a well-desinfectable glass board.

5 RESULTS

Results of disinfectability are shown in table 1. The log^{10} reduction factors, which represent a measure for disinfecting power, are the difference between log^{10} of survival controls and log^{10} of colony counts after disinfection.

Table 1: Results of disinfectability according to SOP 110.010 (calculated log^{10} values of cfu/ml)

	E. coli DSM 787		*S. aureus DSM 346*	
	Sample board	Glass board	Sample board	Glass board
Initial values	6,98	6,98	6,92	6,92
Ethanol 70%	6,98	6,98	6,92	6,92
Formaline 5%	6,98	6,98	6,92	6,92
p-Chlor-m-Cresol 0,3%	6,98	6,98	6,92	6,92
Tosylchloramid 5%	6,98	6,98	6,92	6,92
B.A.C.* 0,1%	6,98	6,98	6,92	6,92
Buraton	6,98	6,98	6,92	6,92
Betaisodona	6,98	6,98	6,92	6,92

* Alkyl-Dimethyl benzyl ammonium chloride

No bacterial growth could be detected on the sample material after using all disinfectants mentioned in table 1

The surface of the specimen Fundermax Compact Board Interior Plus shows complete disinfectability against the strains *E. coli DSM 787* und *S. aureus DSM 346* with all disinfectants.

This test report no. **305.931**

comprises 5 sheets with 1 table(s), 0 figure(s), 0 appendix(es).

Director in charge
Department of Medical Devices and Hygiene

Technologie & Innovation GmbH
ofi

DI Dr. Beatrix Wepner