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TEST REPORT

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Date received: 18-04-11 Date of test: 02-05-11 Date of issue: 06-05-11

FINITURA CEROSA FTC8505/J CON ANTIBATTERICO 0,24% Sample name:

Measurement of antibacterial activity of plastic surfaces ISO 22196:2007

Type of material tested: not analysed

Specimen size: 50x50 mm

Covering film: poliethylene, 40x40 mm, thickness 0,09 mm

Bacterial strains: Escherichia coli ATCC 8739

Staphylococcus aureus ATCC 6538P

Volume of the inoculum: 0,4 ml

Results with E.coli

inoculum density (cfu/ml)	cell count, time 0 untreated specimens (cfu/cm2)	cell count after 24 h untreated specimens* (cfu/cm2)	cell count after 24 h treated specimens (cfu/cm2)
1,8E+06	44375	94250	<1
	log=Uo=4,65	log=Ut=4,97	log=At= <0

Antibacterial activity=R = (Ut-Uo)-(At-Uo) = >4,97*

Results with Staphylococcus aureus

inoculum density (cfu/ml)	cell count, time 0 untreated specimens (cfu/cm2)	cell count after 24 h untreated specimens* (cfu/cm2)	cell count after 24 h treated specimens (cfu/cm2)
5,7E+05	14187	43750	<1
	log=Uo=4,15	log=Ut=4,64	log=At= <0

Antibacterial activity=R = (Ut-Uo)-(At-Uo) = >4,64*

Remarks:

*test results are referring to reference specimens made of polystyrene, since no viable cells could be recovered from the untreated specimens provided by the customer.

This might indicate that under the testing conditions:

- 1) the untreated material has an inherent antibacterial activity;
- 2) the porosity of the surface does not allow recovery of bacterial cells by the standard washing procedure

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Managing Director

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