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# STERUSIL®

## Standard Test Results

# STERUSIL®



GLOSTER SANTE EUROPE – S.A.S au Capital de 464 256 €. R.C.S : TOULOUSE 422 704 254  
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# 1: STERUSIL® disinfectant composition

Substance :

- Hydrogen peroxide: 5%
- Silver cations: <50 ppm

Excipient :

- Sterile water: 95%

Stabilizer :

- Ortho-phosphoric acid: <50 ppm

## 2: Standards testing

These results were obtained by applying the protocols of the standards quoted below. These studies were carried out starting with a mother solution of 50% hydrogen peroxide diluted once again in order to reach the desired concentrations. These tests have allowed us to determine the most effective minimal concentrations of STERUSIL®.

### 2 A: Basic bactericidal properties / EN1040

Reference strains	Reduction of viability	Trial temperature	H <sub>2</sub> O <sub>2</sub> Effective concentrations depending on contact time	Contact time
- <i>Pseudomonas aeruginosa</i> (ATCC 15442)	5 log	20°C	6 %	1 min
	5 log	20°C	3 %	5 min
- <i>Staphylococcus aureus</i> (ATCC 6538)	5 log	20°C	6 %	5 min
	5 log	20°C	5 %	15 min

### 2 B: Bactericidal properties with interfering substances / EN 1276

Tests the basic bactericidal activity in the presence of interfering elements (soil/protein)

Reference strains	Reduction of viability	Trial temperature	H <sub>2</sub> O <sub>2</sub> Effective concentrations depending on contact time	Contact time
- <i>Pseudomonas aeruginosa</i> (ATCC 15442)	5 log	20°C	1,5 %	1 min
- <i>Staphylococcus aureus</i> (ATCC 6538)	5 log	20°C	6 %	5 min
	5 log	20°C	3 %	15 min
- <i>Enterococcus hirae</i> (ATCC 8043)	5 log	20°C	6 %	15 min
- <i>Escherichia coli</i> (ATCC 10536)	5 log	20°C	1,5 %	1 min

## 2 C: Bactericidal, fungicidal and sporicidal properties / NF T 72-190

Tests bactericidal, fungicidal and sporicidal properties under conditions close to real use (Germ carrier method)

Reference strains	Reduction of viability	Trial temperature	H <sub>2</sub> O <sub>2</sub> Effective concentrations depending on contact time	Contact time
- <i>Pseudomonas aeruginosa</i> (ATCC 15442)	5 log	20°C	3 %	10 min
- <i>Staphylococcus aureus</i> (ATCC 6538)	5 log	20°C	7,5 %	10 min
- <i>Enterococcus hirae</i> (ATCC 8043)	5 log 5 log	20°C 20°C	7,5 % 6 %	10 min 20 min
- <i>Escherichia coli</i> (ATCC 10536)	5 log	20°C	3 %	10 min

## 2 D: Bactericidal properties in practical conditions / NF T 72 300

Reference strains	Reduction of viability	Trial temperature	H <sub>2</sub> O <sub>2</sub> Effective concentrations depending on contact time	Contact time
- <i>Legionella pneumophila</i> (CIP 103854 T)	5 log	20°C	1,5 %	1 min

## 2 E: Fungicidal properties / EN 1275

Reference strains	Reduction of viability	Trial temperature	H <sub>2</sub> O <sub>2</sub> Effective concentrations depending on contact time	Contact time
- <i>Candida albicans</i> (ATCC 10231)	4 log	20°C	6 %	15 min
- <i>Aspergillus niger</i> (ATCC 16404)	4 log 4 log	20°C 20°C	6 % 3 %	15 min 30 min

## **2 F: Sporicidal properties / NF T 72-230**

Reference strains	Reduction of viability	Trial temperature	H <sub>2</sub> O <sub>2</sub> Effective concentrations depending on contact time	Contact time
- <i>Clostridium sporogenes</i> 51 (CIP 7939)	5 log	20°C	10 %	60 min
- <i>Bacillus cereus</i> (CIP 7803)	5 log	20°C	6 %	60 min
- <i>Bacillus subtilis var niger</i> (CIP 7718)	5 log	20°C	10 %	60 min

## **2 G: Virucidal properties / NF T 72-180**

Reference strains	Reduction of viability	Trial temperature	H <sub>2</sub> O <sub>2</sub> Effective concentrations depending on contact time	Contact time
- <i>Enterovirus Polio 1</i> (Souche SABIN)	4 log	20°C	1,5 %	15 min
- <i>Adenovirus humain Type 5</i>	4 log	20°C	1,5 %	15 min
- <i>Orthopoxvirus de la vaccine</i>	4 log	20°C	1,5 %	15 min

For any more complementary information on these reports, please contact our Assurance Quality Service to e-mail address: [quality@gloster-sante-europe.com](mailto:quality@gloster-sante-europe.com)