

## norms

### EN 1040

**bactericidal activity** – Phase 1 / Step 1. Suspension test in 5 minutes (or 1, 15, 30 and 60 minutes), at 20°C (or others with 10°C interval) – Microbial reduction  $>10^5$ .

### EN 13727

**bactericidal activity** – Phase 2 / Step 1. Medical. Quantitative suspension test in 60 minutes (or 5, 15 and 30 minutes), at +20°C (or others with 10°C interval), in the presence of interfering substances (CC: 0.3 g/L albumin + 30°f hard water; DC: 3g/L albumin + 3ml/L erythrocytes + 30°f hard water; or others) – Microbial reduction  $> 10^5$ .

### EN 1276

**bactericidal activity** – Phase 2 / Step 1 – Industry. Quantitative suspension test in 5 minutes (or other additional), at +20°C (or others with 10°C interval), in the presence of interfering substances (CC: 0.3 g/L albumin + 30°f hard water; DC: 3g/L albumin + 30°f hard water; or others) – Microbial reduction  $> 10^5$ .

### EN 13697

**bactericidal activity** - Phase 2 / Step 2 – Medical. Quantitative carrier test by immersion in 60 minutes (or 5, 15 and 30 minutes), at +20°C (or others with 10°C interval), in the presence of interfering substances (CC: 0.3 g/L albumin +30°f hard water; DC: 3 g/L albumin + 3 ml/L erythrocytes + 30°f hard water; or others) – Microbial reduction  $> 10^4$ .

### EN 14561

**bactericidal activity** – Phase 2 / Step 2 – Medical. Quantitative carrier test by immersion in 60 minutes (or 5, 15 and 30 minutes), at +20°C (or others with 10°C interval), in the presence of interfering substances (CC: 0.3 g/L albumin + 30°f hard water; DC: 3 g/L albumin + 3 ml/L erythrocytes + 30°f hard water; or others) – Microbial reduction  $> 10^5$ .

### EN 13697

**fungicidal / yeasticidal activity** – Phase 2 / Step 2. Industry. Quantitative carrier test in 15 minutes (or 1, 5, 30 60 minutes), at +20°C (or +4, +10 and +40°C), in the presence of interfering substances (CC: 0.3 g/L albumin + 30°f hard water; DC:3 g/L albumin + 30°f hard water; or others) – Microbial reduction  $> 10^3$ .

### EN 14348

**mycobactericidal / tuberculocidal activity** – Phase 2 / Step 1 – Medical. Quantitative suspension test in 60 minutes (5, 15 and 30 minutes), at +20°C (or others with 10°C interval), in the presence of interfering substances (CC: 0.3 g/L albumin + 30°f hard water; DC: 3 g/L albumin + 3 ml/L erythrocytes + 30°f hard water; or others) – Microbial reduction  $> 10^4$ .

### EN 14563

**mycobactericidal / tuberculocidal activity** - Phase 2 / Step 1 – Medical. Quantitative suspension test in 60 minutes (5, 15 and 30 minutes), at +20°C (or others with 10°C interval), in the presence of interfering substances (CC: 0.3 g/L albumin + 30°f hard water; DC: 3 g/L albumin + 3 ml/L erythrocytes + 30°f hard water; or others) – Microbial reduction  $> 10^4$ .

### EN 1275

**fungicidal / yeasticidal activity** – Phase 1 / Step 1. Suspension test in 15 minutes (or 5, 30 and 60 minutes), at +20°C (or others with 10°C interval) – Microbial reduction  $> 10^4$ .



## normes applicables

### EN 13624

**fungicidal / yeasticidal activity** – Phase 2 / Step 1 – Medical. Quantitative suspension test in 60 minutes (5, 15 and 30 minutes), at +20°C (or others with 10°C interval), in the presence of interfering substances (CC: 0.3 g/L albumin + 30°f hard water; DC: 3 g/L albumin + 3 ml/L erythrocytes + 30°f hard water; or others) – Microbial reduction > 10<sup>4</sup>.

### EN 1650

**fungicidal / yeasticidal activity** – Phase 2 / Step 1 – Industry. Quantitative suspension test in 15 minutes (1, 5 and 30 and 60 minutes), at +20°C (or +4, +10 and +40°C), in the presence of interfering substances (CC: 0.3 g/L albumin + 30°f hard water; DC: 3 g/L albumin + 30°f hard water; or other) – Microbial reduction > 10<sup>4</sup>.

### EN 14562

**fungicidal / yeasticidal activity** – Phase 2 / Step 2 – Medical. Quantitative carrier test by immersion in 60 minutes (or 5, 15 and 30 minutes), at +20°C (or others with 10°C interval), in the presence of interfering substances (CC: 0.3 g/L albumin +30°f hard water; DC: 3 g/L albumin + 3 ml/L erythrocytes + 30°f hard water; or others) – Microbial reduction > 10<sup>4</sup>.

### EN 14476+A1

**virucidal activity** – Phase 2 / Step 1 – Medical. Quantitative test in 60 minutes (or 5, 15 and 30 minutes) or in 30 seconds / 1 minute (or 3 minutes) for hands, at +20°C (or +60°C for machine product), in the presence of interfering substances (CC: 0.3 g/L albumin +30°f hard water; DC: 3 g/L albumin +30°f hard water; or buffered solution with phosphates for hands) – Viral reduction > 10<sup>4</sup>.

**activity on viruses** – Adaptation of the EN 14476+A1 standard – Viral reduction > 10<sup>4</sup>. HIV-1, PRV (assessment of activity on HBV), BVDV (surrogate of HCV), Herpes virus, Rotavirus, Norovirus, Coronavirus (SARS), Influenza virus A H<sub>1</sub>N<sub>1</sub> and H<sub>5</sub>N<sub>1</sub>.

### EN 13704

**sporicidal activity** – Phase 2 / Step 1 – Industry. Quantitative suspension test in 60 minutes (or 5, 10 and 30 minutes), at +20°C (or +4, +10, +40 and +75°C), in the presence of interfering substances (CC : 0.3g/L albumin + 30°f hard water ; DC : 3g/L albumin +30°f hard water ; or others) – Microbial reduction > 10<sup>3</sup>.

### EN 1499

**hygienic Hand wash** – Phase 2 / Step 2. Test on voluntaries with hands artificially contaminated with Escherichia coli K12, in the practical conditions of use, in 30 or 60 seconds. The reduction factor obtained is compared to those obtained in the same conditions with a standard washing (plain soap).

### EN 1500

**hygienic Hand rubbing** – Phase 2 / Step 2. Test on voluntaries with hands artificially contaminated with Escherichia coli K12, in the practical conditions of use, in 30 or 60 seconds. The reduction factor obtained is compared to those obtained in the same conditions with a standard washing (60% propanol-2).

### EN 12791

**surgical disinfection of hands** – Phase 2 / Step 2. Test on natural flora of voluntaries. Assessment of the immediate effect and 3 hours after disinfection. The reduction factor obtained is compared to those obtained in the same conditions with a standard washing (60% propanol-2).



## normes applicables

### NF T 72-281

airborne disinfection of surfaces – Determination of bactericidal and/or fungicidal and/or sporicidal activity. Quantitative carrier test at +20°C and from 50 to 75% of relative humidity (or others according to the airborne process) – Microbial reduction > 10<sup>5</sup> (bacteria); 10<sup>4</sup> (yeasts / moulds); 10<sup>3</sup> (spores of bacteria)

saniswiss

12201E

innovation award  
winner 2008



reddot design award  
winner 2008

