

TEST REPORT

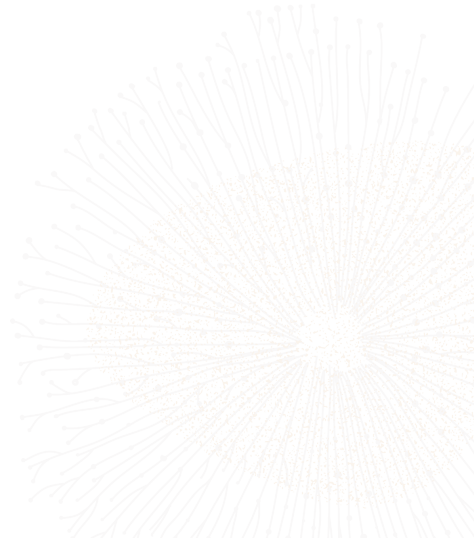
TEST RESULTS

1. Quantitative Suspension Test for Evaluation of Bacterial Activity of Chemical Disinfectants or Antiseptic (EN 1276:2009)

Inhibition Method: Filtration
 Interfering Substance: 0.3g/L bovine albumin (Clean Condition)
 Contact Time: 1 minute & 5 minutes
 Test Temperature: 20°C
 Incubation: 37°C, 48 hours
 Agar Medium: Trypticase Soy Agar
 Test Organism: *Staphylococcus aureus* ATCC 6538
Escherichia coli ATCC 10536
Pseudomonas aeruginosa ATCC 15442
Enterococcus faecium ATCC 6057
Salmonella typhimurium ATCC 13311

Controls & Validation

Test Organism	Validation suspension (N_v) Criteria: $300 \leq N_v \leq 1600$	Method validation Criteria: $\leq 0.05 N_v$	Validity
<i>Staphylococcus aureus</i> ATCC 6538	400	40	Valid
<i>Escherichia coli</i> ATCC 10536	1000	80	Valid
<i>Pseudomonas aeruginosa</i> ATCC 15442	900	100	Valid
<i>Enterococcus faecium</i> ATCC 6057	800	90	Valid
<i>Salmonella typhimurium</i> ATCC 13311	1200	130	Valid



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Result:

Test Organism	Initial suspension (N) No=(1/10N) $1.5 \times 10^8 \leq N \leq 5 \times 10^8$	Final Count Na		R (Log10 Reduction) = Log No - Log Na Criteria: R ≥ 5.0		Assessment
		1 min	5 min	1 min	5 min	
<i>Staphylococcus aureus</i> ATCC 6538	2.0×10^8	3.0×10^2	1.0×10^2	5.82	6.30	Satisfactory
<i>Escherichia coli</i> ATCC 10536	1.8×10^8	90	10	6.31	7.26	Satisfactory
<i>Pseudomonas aeruginosa</i> ATCC 15442	1.5×10^8	1.0×10^3	1.0×10^2	5.20	6.20	Satisfactory
<i>Enterococcus faecium</i> ATCC 6057	3.0×10^8	2.2×10^3	6.0×10^2	5.14	5.70	Satisfactory
<i>Salmonella typhimurium</i> ATCC 13311	2.7×10^8	5.0×10^2	80	5.73	6.53	Satisfactory

Criteria:

According to EN 1276, in order to satisfy the requirement of bactericidal efficacy of chemical disinfectants and antiseptics, the product shall demonstrate at least 5.0 log₁₀ reduction of the specified test organisms under the obligatory sample contact time, test temperature and the simulated (clean or dirty) conditions according to its practical applicants when the product is tested at its intended use dilution.

