

ESSENTIAL TEST DATA

Complies with European Standard EN 14885:2022 and the latest regulatory requirements for biocidal activity of high-level surface disinfectants applied with mechanical action (e.g., wiping).

A $\geq 5 \log_{10}$ reduction was achieved for bacteria, and a $\geq 4 \log_{10}$ reduction for viruses, fungi, yeasts, mycobacteria, and bacterial spores in the following tests. Additionally, the requirements of the 4-field tests EN 16615 and EN 17846 were met, with F2–F4 contamination levels being $< 50 \text{ CFU/cm}^2$.

ORGANISM	TEST METHOD	TEST TYPE	CONDITIONS
SPORICIDAL			
Bacillus subtilis	EN 17126 (P2, S1)	Suspension	Clean 1 and Dirty 1
Bacillus cereus			
Clostridioides difficile			
Clostridioides difficile	EN 17846 (P2, S2)	Surface with mechanical action	Clean 1 and Dirty 1
MYCOBACTERICIDAL			
Mycobacterium terrae	EN 14348 (P2, S1)	Suspension	Clean 1 and Dirty 1
Mycobacterium avium			
VIRUCIDAL			
Poliovirus Type 1	EN 14476 (P2, S1)	Suspension	Clean 1 and Dirty 1
Adenovirus Type 5			
Murine norovirus			
FUNGICIDAL/YEASTICIDAL			
Aspergillus brasiliensis	EN 13624 (P2, S1)	Suspension	Clean 1 and Dirty 1
Candida albicans			
Candida albicans	EN 16615 (P2, S2)	Surface with mechanical action	Clean 1 and Dirty 1
BACTERICIDAL			
Pseudomonas aeruginosa	EN 13727 (P2, S1)	Suspension	Clean 1 and Dirty 1

ORGANISM	TEST METHOD	TEST TYPE	CONDITIONS
BACTERICIDAL			
Staphylococcus aureus	EN 13727 (P2, S1)	Suspension	Clean 1 and Dirty 1
Enterococcus hirae			
Pseudomonas aeruginosa	EN 16615 (P2, S2)	Surface with mechanical action	Clean 1 and Dirty 1
Staphylococcus aureus			
Enterococcus hirae			
RESIDUAL			
Pseudomonas aeruginosa	PAS 2424	Surface – 8 hours Residual Activity	Dirty 2
Staphylococcus aureus			
Enterococcus hirae			
Escherichia coli			

ADDITIONAL TEST DATA

Beyond essential testing, further studies have confirmed the product's effectiveness against key pathogens and demonstrated broader performance characteristics.

MICROORGANISMS

ORGANISM	TEST METHOD	TEST TYPE	CONDITIONS
VIRUSES			
Bovine Coronavirus	EN 16615 (P2, S2)	Surface with mechanical action	Dirty 1
FUNGI & YEASTS			
<i>Candidozyma auris</i> (Formerly <i>Candida auris</i>)	EN 16615 (P2, S2)	Surface with mechanical action	Dirty 1
<i>Trichophyton interdigitale</i>			Clean 1
<i>Trichophyton interdigitale</i>	EN 13697 (P2, S2)	Surface without mechanical action	Clean 1
<i>Trichophyton interdigitale</i>	EN 13624 (P2, S1)	Suspension	Clean 1

ORGANISM	TEST METHOD	TEST TYPE	CONDITIONS
BACTERIA			
Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)	EN 16615 (P2, S2)	Surface with mechanical action	Dirty 1
Carbapenem-resistant <i>Klebsiella pneumoniae</i> (CRE)			
Vancomycin-resistant <i>Enterococcus faecium</i> (VRE)			
Multidrug-resistant <i>Acinetobacter baumannii</i> (MDRAB)			
Extended Spectrum Beta- Lactamase (ESBL) producing <i>Klebsiella pneumoniae</i>			
RESIDUAL			
Vaccinia Virus	PAS 2424	Surface – 8 hours Residual Activity	Dirty 2

BIOFILM

ORGANISM	TEST METHOD	BIOFILM TYPE	SURFACE TYPE
<i>Pseudomonas aeruginosa</i>	MBEC assay (ASTM E2799-22)	Grown in moist conditions- aged for 72 hours	Polystyrene
<i>Staphylococcus aureus</i>			
<i>Staphylococcus aureus</i>	Modified CDC Biofilm Reactor	Dry (semi-hydrated) aged for 12 days	Stainless steel & PVC

KEY

Clean 1	0.3 g/l Bovine albumin	P2, S1	Phase 2, Step 1
Dirty 1	3g/l Bovine albumin + 3ml Blood erythrocytes	P2, S2	Phase 2, Step 2
Dirty 2	3g/l Bovine albumin Serum		