Production Information Sheet/Efficacy Data for Assured Antimicrobial Cleanser

Assured Antimicrobial Cleanser is a Class 1 Medical Device product manufactured in the UK. Class 11B Medical Devices approval is underway and is expected mid 2017.

This classification enables Assured Antimicrobial Cleanser to be used for the disinfection of patient skin, indicating both its efficacious and safe nature.

This unique 'next generation' hypochlorous technology delivers an unrivalled combination of extreme disinfection with a non-hazardous safety profile.

Bactericidal **Fungicidal** **Virucidal** **Sporicidal**	**+**	**Skin neutral pH** **Non sensitising** **Hypoallergenic**

Our ability to produce a wide range of concentrations enables us to supply products for a very diverse range of applications - from high level environmental decontamination to the gentle disinfection of wounds and human skin conditions.

We believe no other disinfection product to be as efficacious, safe or stable.

Passes:

EN1275	EN1276	EN13727	EN13704
EN1650	EN 14476	EN13697	EN14348

Our technology has passed every EN Standard to which it has been subjected: our stronger formulations reduce even the most resilient spore forming organisms to non-detectable limits within seconds, whilst our lower strength wound care formulations have passed the most rigorous skin contact sensitisation testing.

Our hypochlorous technology is fully compliant with the Biocides Product Review and is available in Europe for use in Product Types (PT's) 1, 2, 3, 4, 5 and 11.

We currently supply products in human healthcare, medical hygiene, dental hygiene, animal health and bio security/decontamination sectors.

Manufactured to ISO 9001 and ISO 13485 Medical Standards.

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Organism	Inoculum in 250ppm Product (cfu)	Log Reduction	% Reduction After Contact Time of 15 Seconds
Pseudomonas aeruginosa	4.8 x 106	>5.7	99.999%
Staphylococcus aureus	4.7 x 106	>5.7	99.999%
Escherichia coli	5.0 x 106	5.2	99.999%
Enterococcus hirae	3.6 x 106	>5.6	99.999%
Acinetobacter baumannii	2.4 x 106	>5.4	99.999%
Enterococcus faecalis	3.4 x 106	>5.5	99.999%
MRSA	5.3 x 106	>5.7	99.999%
Staphylococcus epidermidis	2.6 x 106	>5.4	99.999%
Streptococcus pyogenes	5.3 x 106	>5.7	99.999%
Enterococcus faecium (VRE)	1.1 x 106	5.0	99.999%
Listeria monocytogenes	5.0 x 106	>5.7	99.999%
Seratia marcescens	6.9 x 106	>5.8	99.999%
Klebsiella pneumoniae	4.6 x 106	>1.2	93.3%
Proteus mirabilis	3.9 x 106	>5.6	99.999%
Clostridium difficile	1.3 x 106	>4.1	99.99%
Candida albicans	1.0 x 106	>5	99.999%
Apergillus brasiliensis	1.5 x 106	>2	99.3%

Fourteen of the 17 organisms tested showed a >99.999% reduction in microbial count after 15 seconds exposure to 250ppm.
Fourteen of the pathogens still demonstrated a percentage reduction of 99.99% when exposed to 80ppm (Data not shown)

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