



Zonitise Antimicrobial Hand Sanitiser

Alcohol-free, medical grade hand sanitiser



TECHNICAL DATA SHEET

Description

Zonitise Hand Sanitiser is a powerful sanitising handrub that is effective against a wide range of bacteria and other organisms. **The product removes 99.9% of Coronavirus when tested against European Standard EN14476.** The formula is alcohol-free, and is specifically designed for regular use without the skin drying, chaffing and irritation associated with regular use of alcohol based handrubs.

Zonitise Hand Sanitiser has been tested to medical standards and found to provide equivalent protection to alcohol hand gels when tested against European Standard EN1500, and removes 99.999% of bacteria when tested against EN13727.

Zonitise Hand Sanitiser is non-flammable and is ideal for use in public and institutional locations when regular use is required and alcohol gels are undesirable or present a risk to public safety.

Zonitise Hand Sanitiser can be used wherever the highest standards of hand hygiene are required and is suitable for use in healthcare, food processing, and all other environments where there is a risk of cross- contamination.

Active Ingredient

The active ingredient DDAC (didecyl dimethyl ammonium chloride) has a broad spectrum antimicrobial efficacy against gram- positive and gram-negative bacteria, yeast, and enveloped viruses.

Safety Data Sheet

For information on safe handling, a safety data sheet containing additional data for Zonitise Hand Sanitiser is available on request.

Characteristics

Active Ingredient	DDAC (didecyl dimethyl ammonium chloride)
Intended Use	PT1 Human Hygiene
CAS Number	7173-51-5
Colour	Colourless, clear
Odour	Apple fragrance
Oxidising	Non-oxidising
Solubility in Water	Soluble
Relative Density	1.02 g/cm ³
pH	4.0 - 5.5

Features and Benefits

Provides longer lasting protection than alcohol sanitisers. Does not evaporate on skin. Effective within 60 seconds. Tested to:

- EN14476 (99.9% Coronavirus)
- EN13727 (99.999% Bacteria)
- EN13624 (99.99% Yeast)
- EN1276 (99.999% Bacteria)
- EN1500 (equivalent or better protection than alcohol hand rub in a clinical environment)

In tests Zonitise Hand Sanitiser was proven to be biocidal active on skin for up to 8 hours.

Regulatory Compliance

Zonitise Hand Sanitiser is marketed under PT1, Human hygiene, by the requirements of the Biocidal Products Regulation (BPR, Regulation (EU) 528/2012). Approved for sale in UK. The product is labelled in accordance with the Classification, Labelling and Packaging (CLP) Regulation ((EC) No 1272/2008).

Instructions for Use

Apply a small amount to the hands and rub in well. Allow hands to air dry in order to maintain residual protection. Where water is available wash hands thoroughly with soap and dry before applying Hand Sanitiser. Application to dry, cracked or cut skin should be avoided. For best protection, reapply the product every 2 hours, or after hands become dirty.

Safe Handling and Storage

Store in original container. Keep tightly closed in a dry, cool and well-ventilated place. Use biocides safely. Always read the label and product information before use.

BIOCIDAL EFFICACY

Test Method	Target	Test Organisms	Contact Time	Test Condition	Log Reduction Required*	Result	Test Reference
EN13727	Bacteria	<i>E. coli</i> K12	60 seconds	Clean	>5	>5 log reduction	IC121-8500-2004/1
	Bacteria	<i>P. aeruginosa</i>	60 seconds	Clean	>5	>5 log reduction	
	Bacteria	<i>S. aureus</i>	60 seconds	Clean	>5	>5 log reduction	
	Bacteria	<i>E. hirae</i>	60 seconds	Clean	>5	>5 log reduction	
EN13624	Yeast	<i>C. albicans</i>	60 seconds	Clean	>4	>4 log reduction	
EN1276	Bacteria	<i>P. aeruginosa</i>	30 seconds	Clean	>5	>5 log reduction	
	Bacteria	<i>S. aureus</i>	30 seconds	Clean	>5	>5 log reduction	
	Bacteria	<i>E. coli</i> K12	30 seconds	Clean	>5	>5 log reduction	
	Bacteria	<i>E. hirae</i>	30 seconds	Clean	>5	>5 log reduction	
EN1500	Bacteria	<i>E. coli</i> K12	30 seconds	Clean	>= propan-2-ol**	>3 log reduction	

EN13727: Quantitative suspension test for the evaluation of bactericidal activity in the medical area.

EN13624: Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity in the medical area.

EN1276: Quantitative microbiological evaluation to determine the antimicrobial efficacy of chemical disinfectants and antiseptics in accordance with the European standard.

EN1500: Evaluates the efficacy of a hygienic handrub by measuring the number of viable bacteria remaining on the fingertips after contamination and handrub exposure.

* 4 log reduction = 99.99%. 5 log reduction = 99.999% etc.

** 60% propan-2-ol was used as the reference sample in our test. The test product was not inferior to the reference product and hence has met the requirements of EN 1500.

Coronavirus

Zonitise Hand Sanitiser has been tested against European Standard EN14476 and found to remove 99.9% of murine coronavirus within 60 seconds. Murine coronavirus is a laboratory surrogate for enveloped viruses including disease causing coronaviridae such as those responsible for MERS and COVID-19.