



# PRODUCT SPECIFICATION

## BETA PLUS 5 Litre RFU STERILE



### PRODUCT INFORMATION

#### PRODUCT DESCRIPTION

Beta Plus is a unique broad spectrum disinfectant suitable for regular use in cleanrooms and controlled environments.

Beta Plus shows good efficacy against a range of bacteria and fungi even after irradiation.

Beta Plus is designed to be used in conjunction with Alpha Plus (rotational disinfectant) and Delta Plus (Neutral Detergent).

Beta Plus has low toxicity and does not contain any hazardous aldehydes or chlorine generating components.

Beta Plus is colourless and fragrance-free and is non-corrosive with a range of cleanroom surfaces including stainless steel, vinyl, resin, plastics, and rubber.

Beta Plus is a pre-mixed solution to ensure the correct concentration and homogeneous distribution of the active chemicals.

#### PRODUCT FEATURES

5 Litre container complete with a screw on air tight cap.

Convenient carrying size and weight.

Visible liquid level.

Ready for use.

### TECHNICAL INFORMATION

#### MANUFACTURING

The product is filled and capped under ISO 14644-1 Class 5 unidirectional air flow.

Packaging is performed within an ISO 14644-1 Class 7 (in use) cleanroom.

The disinfectant is filtered through a 0.2 micron filter at the point of fill.

#### DISINFECTANT SPECIFICATION

Beta Plus is a synergistic blend of quaternary ammonium compounds.

#### PACKAGING

Primary packaging: 5 Litre container complete with a screw on air tight cap.

Secondary packaging: double bagged in polythene bags.

2 double-bagged bottles in the box.

#### STERILISATION DETAILS

Gamma Irradiation (minimum 25kGy).

#### QUALITY ASSURANCE

Product supplied under BS EN ISO 9001 registered systems.

#### SHELF LIFE

2 years from date of manufacture.

#### STORAGE CONDITIONS

Store in a dry, well-ventilated area in ambient conditions.

## PRODUCT INFORMATION

### DISINFECTANT PERFORMANCE

EUROPEAN STANDARDS						
Standard	Organism	Contact Time (min)	Conditions	Log reduction to pass	Log reduction	
EN 1276	Bactericidal Suspension	Pseudomonas aeruginosa	5 min	Clean	>5.0	>5.24
		Escherichia coli	5 min	Clean	>5.0	>5.29
		Staphylococcus aureus	5 min	Clean	>5.0	>5.45
		Enterococcus hirae	5 min	Clean	>5.0	>5.29
BS EN 1650	Fungicidal Suspension	Aspergillus brasiliensis	15 min	Clean	>4.0	>4.27
		Candida albicans	15 min	Clean	>4.0	>4.22
EN 13697	Bactericidal Surface	Pseudomonas aeruginosa	5 min	Clean	>4.0	>4.45
		Escherichia coli	5 min	Clean	>4.0	>6.45
		Staphylococcus aureus	5 min	Clean	>4.0	>6.84
		Enterococcus hirae	5 min	Clean	>4.0	>6.63
	Fungicidal Surface	Aspergillus brasiliensis	15 min	Clean	>3.0	>3.50
		Candida albicans	15 min	Clean	>3.0	>5.04

TGA DISINFECTANT TESTING - Performed in accordance with TGO 104, 'TGA instructions for disinfectant testing V3'						
Standard	Organism	Contact Time (min)	Conditions	Log reduction to pass	Log reduction	
EN 13727	Bactericidal Suspension	Pseudomonas aeruginosa	5 min	Clean	>5.0	>5.49
		Escherichia coli	5 min	Clean	>5.0	>5.41
		Staphylococcus aureus	5 min	Clean	>5.0	>5.19
		Proteus hauseri	5 min	Clean	>5.0	>5.52
EN 13624	Fungicidal Suspension	Aspergillus brasiliensis	15 min	Clean	>4.0	>4.12
		Candida albicans	15 min	Clean	>4.0	>4.22
EN 13697	Bactericidal Surface	Pseudomonas aeruginosa	5 min	Clean	>4.0	>7.46
		Escherichia coli	5 min	Clean	>4.0	>6.14
		Staphylococcus aureus	5 min	Clean	>4.0	>6.81
		Proteus hauseri	5 min	Clean	>4.0	>6.08
	Fungicidal Surface	Aspergillus brasiliensis	15 min	Clean	>3.0	>5.12
		Candida albicans	15 min	Clean	>3.0	>6.28

## RECYCLING INFORMATION

Component Name	Component Material	Disposal	Guidance
5L RFU Container	HDPE	Recyclable	Remove Cap, Remove All Labels
5L Container Cap	PP	Recyclable	Remove From 5L Container
Product Label	Gloss Clear PP Permanent Label with a Clear Permanent Acrylic Water-Borne Adhesive (PP Clear FTC 60)	Non-recyclable	Remove From 5L Container
Polybag	LDPE	Recyclable	Check With Local Authority, Remove Any Labels
Box	Cardboard	Recyclable	Remove Irradiation Labels and Packaging Tape
Packaging Tape	Reinforced Paper Packaging Tape	Recyclable	Leave On Cardboard Box
Box Label	Paper Based	Recyclable	Leave On Cardboard Box

## ORDERING/PACKING INFORMATION

Non-Sterile Code	Sterile Code	Description	Size	Pack Qty	Case Qty	Case Dimensions	Weight
	RSBT5LT02	CleanGuard 3 Beta Plus 5L RFU Sterile	5L	Each	2 x 5L	445 x 395 x 315mm	15 kg

The above product table does not show the regional product codes for clarity. However, to ensure that product labels with the correct languages are ordered and dispatched please contact us.