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Proud Distributors of
centrego

Toucan Eco III Product Data Sheet



Product Name	Toucan Eco III
Model Number	ECL-3010EU
Volume	1.0ls
Standard additive	Potable water with refined or table salt (not rock salt or sea salt)
Additive boost (to enhance efficacy)	Salt + citric acid or acetic acid @ 9:1
Mode of Operation	ElectroChemical Activation
Solution generated	Disinfectant, mild surfactant and deodoriser
Active ingredient	Hypochlorous acid
Permitted water temperature range	5°C to 40°C
Hazards	Non-toxic, non- hazardous, pH neutral solutions
Water quality	PH: 6 to 8 Hardness: less than 200 ppm low calcium water recommended.
Electric Consumption	27w
Rated Voltage	Transformer and Power Supply (Input 100~240V 50~60Hz, Output DC 9V 3A)
Electrode	Iridium on Titanium
Primary Distributor	Centrego Ltd, UK
Box weight including packaging and standard contents	1.60 kgs
General application Cleaning and disinfection	Work surfaces Glass, windows and mirrors, Ceramics Stainless steel, chrome and metals

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	Food preparation areas Fabrics Carpets Mattresses Equipment Floors and walls
Environments	Offices Kitchens and canteens Washrooms Food outlets and bars Hotel and Leisure facilities Reception areas Health clinics, dental clinics and hospitals Care homes Schools and Nurseries Transport systems Prisons Airports
Approvals and Certificates	European EN 1276 European EN 13727 VAH compliant US EPA Approved
CE Compliance	CE certified
Recommended additive volumes	2grams salt or salt + citric acid per 1.0ls
Activation cycle time	5 minutes
'Rest' time between cycles	5 minutes
FAC ppm range from 2 grams salt in 1.0ls 1x5 minute cycle	Approximately 60-75ppm FAC, depending on water composition
FAC ppm range from 2 grams salt in 1.5ls 2x5 minute cycle	Approximately 110-130ppm FAC, depending on water composition
pH with salt only additive	pH8 - pH8.5
pH with salt + citric acid additive	pH7
Warranty	1 year on all parts excluding spray bottle
Size	Size: 130 x 130x 280 (mm)

Solution Efficacy

Source: West of the England University, Department of Biological, Biomedical and Analytical Sciences, Research Project, 2015. Solution concentration: 60ppm FAC, pH 8.2

Bacterial species	Log reduction values (log ₁₀ cfu)	Percentage (%) reduction	Viable cells remaining after treatment (log ₁₀ cfu)
<i>Escherichia coli</i>	5.803	99.9997	1.293
<i>Salmonella enterica</i> serovar Typhimurium	4.940	99.9979	2.284
<i>Staphylococcus aureus</i>	5.878	99.9998	1.572
Methicillin Resistant	6.017	99.9998	1.235
<i>Staphylococcus aureus</i> (MRSA)	6.703	99.9993	0.994
<i>Listeria monocytogenes</i> <i>Bacillus subtilis</i>	5.650	100.00	0

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