

## Toucan Eco III Product Data Sheet



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

	Food preparation areas Fabrics Carpets Mattresses Equipment Floors and walls
<b>Environments</b>	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
<b>Approvals and Certificates</b>	European EN 1276 European EN 13727 VAH compliant US EPA Approved
<b>CE Compliance</b>	CE certified
<b>Recommended additive volumes</b>	2grams salt or salt + citric acid per 1.0ls
<b>Activation cycle time</b>	5 minutes
<b>'Rest' time between cycles</b>	5 minutes
<b>FAC ppm range from 2 grams salt in 1.0ls</b>	Approximately 60-75ppm FAC, depending on water composition
<b>1x5 minute cycle</b>	
<b>FAC ppm range from 2 grams salt in 1.5ls</b>	Approximately 110-130ppm FAC, depending on water composition
<b>2x5 minute cycle</b>	
<b>pH with salt only additive</b>	pH8 - pH8.5
<b>pH with salt + citric acid additive</b>	pH7
<b>Warranty</b>	1 year on all parts excluding spray bottle
<b>Size</b>	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 (log10 cfu)	Percentage (%) reduction	Viable cells remaining after treatment (log10 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> Methicillin Resistant	5.878	99.9998	1.572
<i>Staphylococcus aureus</i> (MRSA)	6.017	99.9998	1.235
<i>Listeria monocytogenes</i>	6.703	99.9993	0.994
<i>Bacillus subtilis</i>	5.650	100.00	0