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## PRODUCT SPECIFICATION

### SoChlor DST

PRODUCT CODE	DESCRIPTION	SHELF LIFE
MFB256	Pot of 100 tablets	5 years
MFB294	Pot of 200 tablets	5 years

PROPERTY	VALUE	UNIT
Active chemical	Sodium dichloroisocyanurate, anhydrous	
Nominal tablet weight	3.25	g
Active chemical presence	1.723	g
	53	% w/w
Identity of other components	Effervescent & Surfactant	
Presence of other components	1.528	g
	47	% w/w
Appearance	Cylindrical white tablet with bevelled edge	
Tablet diameter	18	mm
Tablet hardness	6 – 8	kg max
Tablet production tolerance (inner limits) <sup>1</sup>	3.17 – 3.33	g
Tablet production tolerance (outer limits) <sup>1</sup>	3.09 – 3.41	g
Solution pH <sup>2</sup>	5.0 – 7.0	
Total available chlorine <sup>3</sup>	1.03	g
Nominal active chlorine solution concentration <sup>3,4</sup>	1034	PPM or mg/l
Active chlorine solution concentration range <sup>3,4</sup>	1000 – 1082	PPM or mg/l

- Only 1 in 20 produced tablets is permitted between the inner and outer weight limits of the production tolerances.
- Measured for 1 tablet fully dissolved in 1l deionised water at 20°C, after which the pH probe is given 2-3 minutes to equilibrate before taking a reading.
- Expressed as the theoretical weight of diatomic Chlorine (Cl<sub>2</sub>) required to deliver the equivalent weight of reactive monoatomic chlorine (Cl<sup>+</sup>) delivered by the tablet upon complete dissolution and hydrolysis in water.
- Directly measured for 1 tablet fully dissolved in 1l deionised water at 20°C by iodometric titration according to EN 12931:2015 and ASTM D2022. Titration performed ≤6 hours after solution preparation. Concentration in solution is usually expressed in units of Parts Per Million (PPM), equivalent to milligrams per litre (mg/l).

Approved by:

For and on behalf of GV Health Ltd., Duncan Holdsworth, Head of Technical

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