

Proposed Water Quality Objectives of Desalinated Water*

PARAMETER	VALUE
pH at 25 °C	8.2 – 8.8
Total Dissolved Solids	≤ 250 mg/L
Alkalinity	≥ 40 mg/L as CaCO ₃
Boron	≤ 1.0 mg/L
Bromide	≤ 0.2 mg/L
Hardness	≥ 40 mg/L as CaCO ₃
Langelier Saturation Index (LSI)	≥ 0
Colour	≤ 5 Hazen unit
Turbidity	≤1.0 NTU, and ≤ 0.3 NTU in 95% of daily averages of samples in any month prior to pH adjustment
Iron as Fe	≤ 0.1 mg/L
Manganese as Mn	≤ 0.05 mg/L
Aluminium as Al	≤ 0.10 mg/L
Free chlorine residual	0.5 to 1.5 mg/L
Fluoride as F	±10% of nominal level (current 0.5 mg/L)
Taste and Odour	Unobjectionable
Total Coliforms & E. Coli (no./100 mL)	Absent
Viruses	4-log (99.99%) reduction or inactivation
<i>Cryptosporidium</i> oocysts (C)	4-log (99.99%) reduction or inactivation
Giardia cysts (G)	4-log (99.99%) reduction or inactivation

Remarks*: The Potable Water Quality shall also be met for individual water quality parameters not referred to in the Table above, but those that have guideline values in the latest edition of the World Health Organization's "Guidelines for Drinking-water Quality."