Revised Water Quality Table as of 2021

The water quality prameters have been standardized for *Shell&Tube* + *Flooded* and *Brazed Plate Heat Exchangers*, as reported in the following table:

DAE Water quality requirements	Shell&Tube + Flooded	BPHE
Ph (25 °C)	6.8 ÷ 8.4	7.5 – 9.0
Electrical conductivity [µS/cm] (25°C)	< 800	< 500
Chloride ion [mg Cl ⁻ / l]	< 150	< 70 (HeatPump) < 300 (CoolingOnly)
Sulphate ion [mg SO4 ²⁻ /I]	< 100	< 100
Alkalinity [mg CaCO₃ / I]	< 100	< 200
Total Hardness [mg CaCO₃ / I]	< 200	75 ÷ 150
Iron [mg Fe / I]	< 1	< 0.2
Ammonium ion [mg NH ⁴⁺ / I]	< 1	< 0.5
Silica [mg SiO ₂ / I]	< 50	-
Chlorine molecular (mg Cl ₂ /l)	< 5	< 0.5