

**Recommended quality of feed water (and reject stream):**

PARAMETER	UNIT	VALUE
<b>Feed stream:</b>		
Temperature	°C (°F)	< 45 (113)
pH (continuous operation)	-	2 – 11
Color	APHA	< 3
Turbidity	NTU	recommended < 0,2 max 1,0
SDI (Silt Density Index)	-	recommended < 3 max 5
TOC (Total Organic Carbon)	mg/L	< 3 *
COD (Chemical Oxygen Demand)	mgO <sub>2</sub> /L	< 5
	mgKMnO <sub>4</sub> /L	< 20
Metals (Fe, Mn, Al, others)	mg/L	< 0,05 each
Oil, grease	mg/L	< 0,01
Free chlorine	mg/L	recommended < 0,02 max 0,1
<b>Reject (concentrate) stream:</b>		
LSI (Langelier Saturation Index)	-	< 0 or < 2,5 **
SDSI (Stiff&Davis Saturation Index)	-	< 0 or < 2,5 **
Silica	mg/L	< 140 – 240 ***

\* as natural organic matter

\*\* may be up to 2,5 if antiscalant used, depending on its type (check with antiscalant supplier)

\*\*\* depending on temperature, pH and antiscalant type used (check with antiscalant supplier)

**DISCLAIMER**

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