

Steam Boiler Water Quality Guidelines

Operating Pressure	0-300	PSIG	0-2.07	MPa
Feedwater				
Dissolved oxygen measured before oxygen scavenger addition	< 0.2	ppm	< 0.2	mg/l
Dissolved oxygen measured after oxygen scavenger addition	< 0.007	ppm	< 0.007	mg/l
Total iron	< 0.1	ppm	< 0.1	mg/l
Total copper	< 0.05	ppm	< 0.05	mg/l
Total hardness (CaCO ₃)	< 0.3	ppm	< 0.3	mg/l
pH range @ 77° F (25° C)	9.0 - 9.5		9.0 - 9.5	
Boiler Water				
Silica (SiO ₂)	< 150	ppm	< 150	mg/l
Total alkalinity	< 350	ppm	< 350	mg/l

Note:

1 ppm = 1 mg/l