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**Filtration Engineering Co. Inc.**  
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## Engineering Bulletin

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### CIP Water Standards for Reverse Osmosis, Ultra-Osmosis<sup>®</sup>, Ultrafiltration and Microfiltration Membranes

Aluminum	Less than 5 ppm
Hardness	Less than 300 ppm
Iron	Less than 0.5 ppm
Manganese	Less than 0.02 ppm
Chloride	Less than 100 ppm
Silica (dissolved)	Less than 25 ppm
Silica (colloidal)	Less than 2 ppm
Suspended solids	None
Turbidity	None
pH	range 5.5 - 9.5
Bacterial Count	Meet potable water specs