

# Nominal Percentage Rejection Characteristics of Reverse Osmosis Membranes

## Thin Film Composite (TFC) Cellulose Triacetate (CTA)

ION	TFC	CTA
Calcium	93-98	92-95
Sodium	92-98	90-95
Magnesium	93-98	94-97
Potassium	92-96	85-95
Manganese	96-98	92-96
Iron	96-98	92-96
Aluminum	96-98	95-98
Copper	96-98	96-98
Nickel	96-98	96-98
Cadmium	93-97	95-97
Silver	93-96	90-95
Zinc	96-98	96-98
Mercury	94-97	94-96
Chloride	92-95	90-95
Ammonium	80-90	85-90
Bromide	90-95	85-90
Phosphate	95-98	95-97
Cyanide	85-95	80-90
Sulfate	96-98	96-98
Thiosulfate	96-98	94-97
Silicate	92-95	80-90
Nitrate	90-95	50-70
Borate	30-50	25-50
Fluoride	92-95	85-90
Chromate	85-95	80-90
Lead	95-98	94-96
Hardness Ca & Mg	93-97	
Radioactivity	93-97	
Polyphosphate	96-98	
Orthophosphate	96-98	
Silica	80-90	
Boron	50-70	

The above percent of rejection is for reference only. Actual rejection will depend heavily on the exact chemistry, temperature and TDS content of the feed water.