

NOMINAL REJECTION CHARACTERISTICS OF REVERSE OSMOSIS MEMBRANES

<u>COMPONENT</u>	<u>SYMBOL</u>	<u>% REJECTION</u>
Sodium	Na ⁺	98
Calcium	Ca ⁺²	99.5
Magnesium	Mg ⁺²	99.5
Potassium	K ⁺	97
Iron	Fe ⁺²	95 - 98
Manganese	Mn ⁺²	95 - 98
Aluminum	Al ⁺³	98 - 99
*Ammonium	NH ₄ ⁺	86 - 92
Copper	Cu ⁺²	98 - 99
Nickel	Ni ⁺²	98 - 99
Zinc	Zn ⁺²	98 - 99
Strontium	Sr ⁺²	96 - 98
Cadmium	Cd ⁺²	96 - 98
Silver	Ag ⁺	93 - 96
Mercury	Hg ⁺²	96 - 98
Barium	Ba ⁺²	96 - 98
Chromium	Cr ⁺³	96 - 98
Lead	Pb ⁺²	96 - 98
Chloride	Cl ⁻¹	98.8
Bicarbonate	HCO ₃ ⁻	60 - 75
*Nitrate	NO ₃ ⁻	60 - 75
Fluoride	F ⁻	87 - 93
*Silicate	SiO ₂ ⁻²	85 - 90
Phosphate	PO ₄ ⁻³	98 - 99
*Chromate	CrO ₄ ⁻²	86 - 92
*Cyanide	CN ⁻	86 - 92
Sulfite	SO ₃ ⁻²	96 - 98
Thiosulfate	S ₂ O ₃ ⁻²	98 - 99
Ferrocyanide	Fe(CN) ₆ ⁻³	98 - 99
Bromide	Br ⁺	87 - 93
*Borate	B ₄ O ₂ ⁻²	30 - 50
Sulfate	SO ₄ ⁻²	99.5
Arsenic	As	94 - 96
Selenium	Se ⁻²	94 - 96
Bacteria and virus		99.9
Pyrogen		99.9

* % rejection dependent on pH.