

Table RP-2 Typical Specification Data for Removal of Ion Constituents *

| Parameter | Symbol and Ionic Charge | Percent Rejected |
|------------------|---|-------------------------|
| CATIONS | | |
| Aluminum | Al ⁺³ | ≥ 99 |
| Ammonium | NH ₄ ⁺¹ | 88 to 95 |
| Cadmium | Cd ⁺² | 96 to 98 |
| Calcium | Ca ⁺² | 96 to 98 |
| Copper | Cu ⁺² | 98 to 99 |
| Hardness | Ca ⁺² and Mg ⁺² | 96 to 98 |
| Iron | Fe ⁺² | 98 to 99 |
| Magnesium | Mg ⁺² | 96 to 98 |
| Manganese | Mn ⁺² | 98 to 99 |
| Mercury | Hg ⁺² | 96 to 98 |
| Nickel | Ni ⁺² | 98 to 99 |
| Potassium | K ⁺¹ | 94 to 96 |
| Silver | Ag ⁺¹ | 94 to 96 |
| Sodium | Na ⁺¹ | 94 to 96 |
| Strontium | Sr ⁺² | 96 to 99 |
| Zinc | Zn ⁺² | 98 to 99 |
| ANIONS | | |
| Bicarbonate | HCO ₃ ⁻¹ | 95 to 96 |
| Borate | B ₄ O ₇ ⁻² | 35 to 70 |
| Bromide | Br ⁻¹ | 94 to 96 |
| Chloride | Cl ⁻¹ | 94 to 95 |
| Chromate | CrO ₄ ⁻² | 90 to 98 |
| Cyanide | CN ⁻¹ | 90 to 95 |
| Ferrocyanide | Fe(CN) ₆ ⁻³ | ≥ 99 |
| Fluoride | F ⁻¹ | 94 to 96 |
| Nitrate | NO ₃ ⁻¹ | 95 |
| Phosphate | PO ₄ ⁻³ | ≥ 99 |
| Silicate | SiO ₂ ⁻¹ | 80 to 95 |
| Sulfate | SO ₄ ⁻² | ≥ 99 |
| Sulfite | SO ₃ ⁻² | 98 to 99 |
| Thiosulfate | S ₇ O ₃ ⁻² | ≥ 99 |

* (Osmonics, Inc.)