

Electrolyte Conversion Factors: % to meq/kg

Element	Equivalent Weight	Equivalence Factor
Sodium (Na)	22.9898	434.9755
Potassium (K)	39.1020	255.7414
Magnesium (Mg)	12.1560	822.6390
Chloride (Cl)	35.4530	282.0636
Phosphorus (P)	30.9738	322.8535
Sulfur (S)	32.0640	311.8762
Calcium (Ca)	20.0400	499.0020

To Convert % to meq/kg:

$$\% \text{ of Element} * \text{Equivalence Factor} = \text{meq/kg}$$

example:

$$2.5\% \text{ K} * 255.7414 = 639.35 \text{ Meq/kg}$$