

Potassium, Salinity

Potassium

Potassium is present in the tissues responsible for the growth of plants (primary and secondary meristems).

It plays an important role in how much water is absorbed by the roots and in the regulation of cellular activity. In addition, Potassium makes plants more resistant to diseases and yields a positive effect on the color and fragrance in flowers.

This kit is supplied with the Mehlich extraction kit, which allows the user to correctly extract a soil sample.

Salinity

Salinity is a measure of total concentration of all salts in water.

This parameter is fundamental for monitoring water in fish farming and aquariums as well as food processing. The optimal concentration of salinity varies from species to species. Salinity is expressed in g/kg or ppt (parts per thousand).

Monitoring salinity is also important in industrial discharge.



HI 3835 - Water Salinity Chemical Test Kit

Parameter	Code	Method	Range*	Smallest Increment	Chemical Method	Number of Tests	Weight
Potassium (soil)	HI 38082	Turbidimetric	0-50 mg/L 50-250 mg/L	5 mg/L 25 mg/L	Turbidimetric	100	889 g
Salinity	HI 3835	Titration	0.0-40.0 g/Kg	0.4 g/kg	Mercuric nitrate	approx. 110	460 g

* 1 mg/L = 1 ppm; 1 g/Kg = 1 ppt

For spare reagents, see section V. For accessories, see section U.