

Method A: The salinity can be measured by titration in the laboratory using a silver nitrate solution. Calculate the salinity of the freshwater sample using the formula: $\text{Salinity (PSU)} = [\text{Cl}] \times 1.805 + 0.03$ the titrating solution of silver nitrate (AgNO_3) is made in such a way that 2 ml of it corresponds to 1 g of Cl per kg of water. The indicator solution will turn the sample yellow.