19pWA-5

Electrofocusing of Methylthionium Ions in an Alkaline Aqueous Solution

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Electrofocusing is a method for separating and identifying charged species in an aqueous solution by applying an electric field. The migration of ions is controlled by the difference in their mobilities, which are affected by the pH and the electric field. In this study, methylthionium ions, which have a negative charge, were separated using electrofocusing. The results showed that the separation efficiency was affected by the concentration of the sample solution.

19pWA-6

Electric Potential of Liquids

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The electric potential of liquids is an important parameter in many fields, including chemistry, physics, and engineering. In this study, the electric potential of various liquids was measured using a high-precision conductivity cell. The results showed that the electric potential of liquids is affected by the concentration of the solute and the dielectric constant of the solvent. The findings have implications for the design of new materials and the development of new technologies.