

Research Title A Study of Acid-base Titrations in Non-aqueous Solvents
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Abstract

In this research project titrations of weak acids, e.g., salicylic acid, dinitrobenzoic acid, were titrated with tetrabutylammonium hydroxide. Weak bases, e.g., aniline, pyridine, were titrated with perchloric acid. The titrations were carried out in glacial acetic acid, acetonitrile and para-dioxane as nonaqueous solvents. Potentiometric titration has been used to detect the end point by using S.C.E. and $\text{Ag}|\text{AgCl}$ as reference electrodes. Experimental research in this project was focused on learning-teaching processes for acid-base in nonaqueous solvents. The behavioural objectives of this research have been written.