

Use of Petunia Flower Extract as a Natural Indicator in Acid Base Titration

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Abstract: *The synthetic indicators are the main preference for acid base titration and qualitative analysis but due to their toxic effect (generally unnoticed) in human being as well as in environment and the higher cost, the use of natural indicator started in the titrimetric assay. The present investigation explores the use of ethanol extract of Petunia flower as natural indicator in acid base titration. The natural indicator is simple to extract out, non toxic and available easily. The investigation also shows that the natural indicator have great potential and shows promising results when compare to synthetic indicators. In the acid base titration natural indicators gives sharp color change at equivalence point. According to all the evidence obtained after titrimetric analysis that natural indicator shows effective and accurate result in compare to synthetic indicators. The advantage to use natural indicator is they can be prepared freshly, economical as well as ecofriendly..*

Keywords: Acid-base titrations, Natural indicator, Synthetic indicator, Ethanol extract