Gravimetric Analysis Of Calcium Lab

The purpose of this lab is to determine the identity of a Group 1 metal carbonate compound by gravimetric analysis. One of the gravimetric analyses is the precipitation. It is a method of separating an analyte from the unknown sample as a precipitate where it will be filtered and converted into a known composition that can be weighed to determine its mass (Biscoe et al., 2013).

Abstract

Introduction

Calcium ion can be analyzed by precipitation with oxalate in basic solution to form CaC2O4·H2O: Ca2+(aq) + C2O4 2-(aq) → CaC2O4·H2O(s). The precipitate is filtered, dried, and weighed. The precipitate is soluble in weakly acidic solution, because the oxalate

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