CONCEPT LIFE SCIENCES

METHOD STATEMENT CALCIUM CARBONATE

INTRODUCTION

This method is not UKAS accredited

This procedure describes the determination of the % calcium as calcium carbonate present in a sample.

PRINCIPLE

An accurately measured aliquot of as received sample is extracted in acid. An aliquot of this extract is titrated to pH 7 with NaOH and the levels of titre are used to calculate $CaCO_3$.

PERFORMANCE CHARACTERISTICS

SUBSTANCES DETERMINED

$CaCO_3$

RANGE OF APPLICATION

- 0.1 to 100 %

LIMIT OF DETECTION

- 0.1 %

CALCULATIONS

% $CaCo_3$ = (Blank titre - sample titre) * 5 * (5 / weight of sample to 2 d.p.)