



# CONCEPT LIFE SCIENCES

## METHOD STATEMENT FREE SULPHUR

### INTRODUCTION

*Note: This method is not UKAS accredited*

The analytical procedure described herein outlines the determination of free sulphur in soils by solvent extraction and gravimetric procedures.

### PRINCIPLE

An aliquot of dried and ground soil is extracted with hot toluene. The extract is reduced in volume to dryness. The residue is then weighed after attack with concentrated sulphuric acid.

### PERFORMANCE CHARACTERISTICS

#### SUBSTANCES DETERMINED

Free sulphur

#### RANGE OF APPLICATION

- Soil samples 0.5 to 100 %

#### LIMIT OF DETECTION

- Soil samples 0.5 %.

#### ANALYTICAL QUALITY CONTROL

Analytical quality control is monitored by a number of measures:

- Analysis of reagent/method blanks within each analytical batch.