

Australian Standard®

Analysis of acid sulfate soil—Dried samples— Methods of test

Method 11: Calculation of net acid-soluble sulfur (S_{NAS}), calcium (Ca_{NAS}) and magnesium (Mg_{NAS})

PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Working Group EV-009-02-01, Analysis of Acid Sulfate Soil, for Committee EV-009, Sampling and Analysis of Soil and Biota, Working Group EV-009-02-01, Analysis of Acid Sulfate Soil.

The objective of this Standard is to provide a method to calculate net acid-soluble sulfur (S_{NAS}), calcium (Ca_{NAS}) and magnesium (Mg_{NAS}) in acid sulfate soil using the results obtained from the determination of S_{KCl} , Ca_{KCl} and Mg_{KCl} , and S_{HCl} , Ca_{HCl} and Mg_{HCl} .

METHOD

1 SCOPE

This Standard specifies a method for calculation of net acid-soluble sulfur (S_{NAS}), calcium (Ca_{NAS}) and magnesium (Mg_{NAS}) in acid sulfate soil using the results obtained from the determination of S_{KCl} , Ca_{KCl} and Mg_{KCl} (AS 4969.4), and S_{HCl} , Ca_{HCl} and Mg_{HCl} (AS 4969.8).

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
4969	Analysis of acid sulfate soil—Dried samples—Methods of test
4969.0	Part 0: Introduction and definitions, symbols and acronyms
4969.4	Method 4: Determination of 1 M potassium chloride extractable sulfur (S_{KCl}), calcium (Ca_{KCl}) and magnesium (Mg_{KCl})
4969.8	Method 8: Determination of hydrochloric acid extractable sulfur (S_{HCl}), calcium (Ca_{HCl}) and magnesium (Mg_{HCl})