AS 4969.10—2008
Reconfirmed 2018

Australian Standard®

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

Method 10: Calculation of peroxide oxidizable sulfur (S_{POS}), reacted calcium (Ca_A) and reacted magnesium (Mg_A)

PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand 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 peroxide oxidizable sulfur (S_{POS}), reacted calcium (Ca_A) and reacted magnesium (Mg_A) in acid sulfate soil using the results obtained from the determination of S_{KCl}, Ca_{KCl} and Mg_{KCl}, and S_P, Ca_P and Mg_P.

METHOD

1 SCOPE

This Standard specifies a method for the calculation of peroxide oxidizable sulfur (S_{POS}), reacted calcium (Ca_A) and reacted magnesium (Mg_A) in acid sulfate soil (ASS) using the results obtained from the determination of S_{KCl}, Ca_{KCl} and Mg_{KCl} (AS 4969.4), and S_P, Ca_P and Mg_P (AS 4969.5).

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})
4969.5	Method 5:	Determination of peroxide sulfur (S_P), calcium (Ca_P) and magnesium (Mg_P)

3 DEFINITIONS

For the purpose of this Standard the terms and definitions used in AS 4969.0 apply.