

Australian Standard[®]

AS 4969.9—2008

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

Method 9: Calculation of titratable sulfidic acidity (TSA)

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 titratable sulfidic acidity (*TSA*) in acid sulfate soil using the results obtained from the determination of *TAA* and *TPA*.

METHOD

1 SCOPE

This Standard specifies a method for the calculation of titratable sulfidic acidity (*TSA*) in acid sulfate soil (*ASS*) using the results obtained from the determination of *TAA* (AS 4969.2) and *TPA* (AS 4969.3).

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
4969.2	Method 2: Determination of pH_{KCl} and titratable actual acidity (<i>TAA</i>)
4969.3	Method 3: Determination of peroxide pH (pH_{OX}), titratable peroxide acidity (<i>TPA</i>) and excess acid neutralizing capacity (ANC_E)

3 DEFINITIONS

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