

Australian Standard®

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

Method 13: Determination of acid neutralizing capacity by back-titration (ANC_{BT})

AS 4969.13—2009

PREFACE

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

The objective of this Standard is to provide a method for the determination of acid neutralizing capacity by back titration (ANC_{BT}) in acid sulfate soil.

METHOD

1 SCOPE

This Standard specifies a method for the determination of acid neutralizing capacity (ANC_{BT}) in acid sulfate soil by back titration of excess acid following hydrochloric acid digestion. This determination is used to estimate acid neutralizing capacity (ANC) as part of the acid base accounting (ABA) procedure (AS 4969.14).

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS	
1006	Solid-stem general purpose thermometers
2162	Verification and use of volumetric apparatus
2162.1	Part 1: General—Volumetric glassware
2162.2	Part 2: Guide to the use of piston-operated volumetric apparatus (POVA)
2164	Laboratory glassware—One-mark volumetric flasks
2165	Laboratory glassware—Burettes
2166	Laboratory glassware—One-mark pipettes
2167	Graduated straight pipettes