

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 REFERENCE 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 |