

Australian Standard[®]

Methods of testing portland, blended and masonry cements

Method 9: Determination of residue on the 45 μm sieve

AS 2350.9—2006

1 SCOPE

This Standard sets out the method for determining the residue of cement on the 45 μm sieve, by wet sieving.

NOTES:

- 1 The test method is known to work well with portland cement; however, judgement should be exercised when determining its suitability in regards to fineness measurements of cements with densities that differ from those assigned to Standard Reference No. 114. Such materials would include blended cements. Reference should be made to ASTM C204 or BS EN 196-6.
- 2 The testing procedure herein may involve the use of materials or equipment that require safety measures to be observed.
- 3 This Standard does not purport to address all of the safety concerns, if any, associated with its use.
- 4 The user of this Standard should establish appropriate safety and health practices, and determine the applicability of regulatory limitations prior to use.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

- 1152 Specification for test sieves
1349 Bourdon tube pressure and vacuum gauges

AS/NZS

- 2350 Methods of testing portland, blended and masonry cements
2350.1 Part 1: Sampling

ASTM

- C204 Standard Test Method for Fineness of Hydraulic Cement by Air Permeability Apparatus

BS EN

- 196 Methods of testing cement
196-6 Determination of fineness

3 PRINCIPLE

Residue is determined by wet sieving, and expressed as the percentage retained on a specified sieve.