

Australian Standard[®]

Methods for sampling and testing aggregates

Method 34: Organic impurities other than sugar

1 SCOPE

This Standard sets out a method for an approximate determination of the presence of organic materials, other than sugar, present in fine aggregate.

NOTE: This is a subjective test. The uncertainty of measurement for the test cannot be estimated.

2 NORMATIVE REFERENCES

The following referenced documents are indispensable for the application of this document:

AS

- 1141 Methods for sampling and testing aggregates
- 1141.2 Method 2: Basic testing equipment
- 1141.3.1 Method 3.1: Sampling—Aggregates

3 APPARATUS

The following apparatus, complying with the relevant provisions of AS 1141.2, is required:

- (a) *Stoppered rectangular clear glass bottles*—of approximately 350 mL or greater capacity.
- (b) *Stoppered glass measuring cylinders*—as required.

4 REAGENTS

The following reagents are required:

- (a) Sodium hydroxide (AR Grade).
- (b) Tannic acid (AR Grade).
- (c) Ethanol (AR Grade).
- (d) Distilled or deionized water.

5 TEST PORTION

By coning and quartering or using sample dividers, take a test proportion of approximately 100 g from a laboratory sample obtained in accordance with the procedures of AS 1141.3.1. The test portion shall be used in the condition in which it was received.

6 SOLUTIONS REQUIRED

The following solutions shall be required:

- (a) *Sodium hydroxide solution* A solution of 30 g of sodium hydroxide (AR Grade) in 970 mL of distilled or deionized water.