

STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 1289.3.8.2—2008

Methods of testing soils for engineering purposes

Method 3.8.2: Soil classification tests—Dispersion—Determination of the percent dispersion of a soil

RECONFIRMATION NOTICE

Technical Committee CE-009 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

Certain documents referenced in the publication may have been amended since the original date of publication. Users are advised to ensure that they are using the latest versions of such documents as appropriate, unless advised otherwise in this Reconfirmation Notice.

Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 22 November 2016.

The following are represented on Technical Committee CE-009:

Association of Geotechnical Testing Authorities (Qld)
Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Geomechanics Society
Australian Stabilisation Industry Association
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NOTES

Australian Standard[®]

AS 1289.3.8.2—2008

Methods of testing soils for engineering purposes

Method 3.8.2: Soil classification tests— Dispersion—Determination of the percent dispersion of a soil

1 SCOPE

This Standard sets out a method for the determination of the percent dispersion of a soil at the 0.005 mm particle dimension.

The method is used in conjunction with AS 1289.3.6.3. It is therefore necessary, in addition to this test, to perform a normal hydrometer fine analysis as described in AS 1289.3.6.3.

NOTE: This method may also be known as the SCS test (U.S. Soil Conservation Service) or double hydrometer test.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

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|------------|---|
| 1152 | Specification for test sieves |
| 1289 | Methods of testing soils for engineering purposes |
| 1289.0 | Method 0: General requirements and list of methods |
| 1289.2.1.1 | Method 2.1.1: Soil moisture content tests—Determination of the moisture content of a soil—Oven drying method (standard method) |
| 1289.3.6.3 | Method 3.6.3: Soil classification tests—Determination of the particle size distribution of a soil—Standard method of fine analysis using a hydrometer |

3 APPARATUS

The following apparatus shall be used:

- A hydrometer as specified in AS 1289.3.6.3.
- Two hydrometer cylinders, 1 L capacity parallel-sided glass measuring cylinders, about 60 mm internal diameter and 450 mm high marked at 1 L volume, and fitted with rubber stoppers.
- A thermometer to cover the range of 0°C to 50°C, graduated to 0.5°C with an uncertainty not exceeding 0.5°C.
- Sieve, 2.36 mm aperture complying with AS 1152.
- A balance with a limit of performance not exceeding ± 0.05 g.
- A stopclock or stopwatch graduated in seconds.
- An oven as specified in AS 1289.0.