AS 1289.5.3.2-2004 (R2016) Methods of testing soils for engineering purposes - Method 5.3.3: Soil compaction and density tests - Determination of the field dry density of a soil - Sand replacement method using a sand pouring can, with or without a volume

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Abbreviation
AS 1289.5.3.2-2004 (R2016)
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Standards Australia
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This resource is cited by 1 document (show Citations)

Description

This Standard sets out the procedure for determining the field density of fine-grained and medium-grained soils (as defined in AS 1289.0) by the sand replacement method using a sand-cone pouring apparatus.

The gross mass per unit volume (wet density) may be calculated and the dry mass per unit volume (dry density) obtained by correcting for the moisture content.

The field dry density is determined for the total material at the test site. A tray with a 200 mm hole is normally used for material with more than 20% of particles retained on the 19.0 mm sieve but, for material with less than 20% of particles retained on the 19.0 mm sieve, a tray with a 150 mm hole may be used.

The method of test may be used to any depth between 50 mm and 250 mm consistent with the soil type and the requirements for sand calibration.

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