



Test method T164

Maximum dry density of cohesionless materials (by vibration)

OCTOBER 2012



Revision Summary

Ed/Rev Number	Clause Number	Description of Revision	Authorisation	Date
		Reformatted and Revision Summary Added	D. Dash	May 1999
		Date on Test Method Revised to Agree with Date on Revision	D. Dash	Feb 2001
		Generally Revised- Title Changed	G. Donald	Nov 2007
Ed 2/ Rev 0	All	Reformatted RMS template	J Friedrich	October 2012

Note that Roads and Maritime Services is hereafter referred to as 'RMS'.

The most recent revision to Test method T164 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T164

Maximum dry density of cohesionless materials (by vibration)

1. Scope

This test method sets out the procedure to determine the maximum dry density of a cohesionless road construction material using vibratory compaction.

2. General

This Test Method is applicable for cohesionless material such as sand or coarse aggregate.

3. Apparatus, Preparation, Procedure and Calculations

The method is identical to AS 1289.5.5.1 except for the following amendments:

- (a) Dry the sample to Constant Mass using the method for drying described in T120, T121 or T180
- (b) Minimum dry density by pouring is not required

4. Reporting

Include the following data and results in the report:

- (a) The method used to dry the sample to constant mass (i.e. T120, T121 or T180)
- (b) The nominal mould size
- (c) The maximum dry density, to the nearest 0.01 t/m^3

NOTE: Where the result is to be used in subsequent calculations, report the MDD to the nearest 0.001 t/m^3 .

- (d) Reference to this test method