



**Transport**  
Roads & Maritime  
Services

# Test method T437

## Moisture content of fine material

OCTOBER 2012



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## 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 Summary	D.Dash	Feb 2001
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 T437 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

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# Test method T437

## Moisture content of fine material

### 1. Scope

This test method sets out the procedure for determining the moisture content of hydrated lime or fine powdered materials.

### 2. Apparatus

- (a) A thermostatically controlled oven with good air circulation capable of maintaining a temperature of  $105 \pm 3^\circ \text{C}$ .
- (b) Analytical balance of 200g capacity and readable to 0.001 g.
- (c) Petri dishes of 150mm diameter.

### 3. Procedure

- (a) Weigh a clean and dry petri dish, ( $M_1$ ).
- (b) Add about 100 g of the powdered material to the petri dish and weigh again ( $M_2$ ).
- (c) Place this in the oven at  $105 \pm 3^\circ \text{C}$  for 1 hour..
- (d) Remove the dish and sample from the oven, cool in a dessicator, and weigh again ( $M_3$ )

### 4. Calculations and Reporting

Calculate the moisture content of the fine material as follows:

$$\% \text{ moisture} = \frac{M_2 - M_3}{M_2 - M_1} \times 100$$

Report the moisture content to the first decimal place.