



**Transport**  
Roads & Maritime  
Services

# Test method T1003

## Total solids in water

NOVEMBER 2012



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## Revision Summary

Ed/Rev Number	Clause Number	Description of Revision	Authorisation	Date
		Reformatted and Revision Summary Added	D.Dash	June 2001
Ed 2/ Rev 0	All	Reformatted RMS template	J Friedrich	November 2012

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

The most recent revision to Test method T1003 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

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# Test method T1003

## Total solids in water

### 1. Scope

This test method sets out the procedure for determining the total amount of solids both dissolved and in suspension, in water. An extension of the method to give soluble solids only is suggested.

### 2. Apparatus

- (a) Porcelain evaporating dish approximately 125 mm in diameter.
- (b) A thermostatically controlled oven with good air circulation, capable of maintaining a temperature within the range of 105°C to 110°C.
- (c) Steam bath.
- (d) Balance of 200 g capacity accurate and readable to 0.2 mg.
- (e) Desiccator.

### 3. Procedure

- (a) Dry the evaporating dish in the oven and determine the mass to the nearest 0.2mg.
- (b) Measure a volume of water (usually 100 mL) into the evaporating dish and place on the steam bath.
- (c) When the water has evaporated remove the dish from the steam bath and dry further in the oven for one hour.
- (d) Cool the evaporating dish in the desiccator and determine the mass.

### 4. Calculation and Reporting

Calculate the total solids in parts per million and report as such.

**Note: The soluble solids may be obtained in the above manner by first filtering off the suspended solids and then carrying out the evaporation.**