STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

# RECONFIRMATION

# OF
# AS/NZS 1580.202.1:1995
# Paints and related materials—Methods of test
# Method 202.1: Density

## RECONFIRMATION NOTICE

Technical Committee CH-003 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 30 May 2013.

Approved for reconfirmation in New Zealand on behalf of the Standards Council of New Zealand on 26 August 2013.

The following are represented on Technical Committee CH-003:

Australasian Corrosion Association
Australian Paint Approval Scheme
Australian Paint Manufactures' Federation
Australian Pipeline Industry Association
Institution of Professional Engineers New Zealand
Master Painters New Zealand Association
Water Corporation Western Australia

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# Australian/New Zealand Standard®

# Paints and related materials—Methods of test

# Method 202.1: Density

## PREFACE

This Joint Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee CH/3 on Paints and Related Materials to supersede the 1980 edition of AS 1580.202.1.

This Standard is essentially the same as the 1980 edition but has been reformatted for clarity and includes new precision data.

## METHOD

**1 SCOPE** This method sets out a procedure for determining the density of liquid paints not subject to foaming.

**2 REFERENCED DOCUMENTS** The following documents are referred to in this Standard:

AS
1580 Paints and related materials—Methods of test
1580.102.1 Method 102.1: Sampling procedure
1580.103.1 Method 103.1: Preliminary examination and preparation for testing

**3 PRINCIPLE** A pycnometer of known volume is filled with a sample of liquid paint at a controlled temperature and weighed. The density is then determined by calculation.

**4 APPARATUS**

**4.1 Pycnometer** A pycnometer having a minimum nominal volume of 50 mL, consisting of a cup of smoothly-finished corrosion-resistant material with a snug fitting cover having a small hole in its centre. The inside surface of the cover shall be concave. The pycnometer shall be calibrated so that its capacity at 25.0 ±1°C is known to within 0.1 percent.

**4.2 Balance** A balance accurate and readable to the nearest 10 mg.

**4.3 Thermometer** A thermometer capable of measuring 25°C to an accuracy of ±1°C and graduated to 1°C or finer.

**5 TEST CONDITIONS** While the testing environment may be at ambient temperature, the temperature of the pycnometer and the paint shall be controlled at 25.0 ±1°C.

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