



Australian Government
Department of Industry,
Innovation and Science

National Measurement Institute

General Certificate of Approval No 17/1/0

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

This is to certify that an approval for use for trade has been granted in respect of

Density Hydrometers

NOTE: This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

This approval becomes subject to review on **1/03/23**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variant 1 approved – certificate issued	4/09/06
1	References in variant 1 amended – certificate issued	8/02/18

CONDITIONS OF APPROVAL

General

The National Measurement Institute reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI (or NSC) 17/1/0' and only by persons authorised by the manufacturer.

It is the manufacturer's responsibility to ensure that all instruments purporting to comply with this approval number are constructed in accordance with this General Certificate of Approval and its Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with document NMI P 106.

Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.

A handwritten signature in blue ink, appearing to be 'D Hines', written in a cursive style.

D Hines

TECHNICAL SCHEDULE No 17/1/0

Pattern: Density Hydrometers

1. Description of Pattern

approved on 4/09/06

Hydrometers approved for density measurement.

The approved apparatus must comply with Australian Standard AS 2026–2003, *Laboratory glassware–Density hydrometers*.

2. Description of Variant 1

approved on 4/09/06

Hydrometers approved for density measurement and with the scale marked in degrees Brix at 20°C, graduated in 0.1°Bx.

The approved apparatus must comply with the documents listed below:

- A. ICUMSA proceedings on hydrometer design and graduation, 1970.
- B. **Specification and Standard document, ICUMSA Methods Book SPS-4, 1998.**
- C. Referee's report – Density, Proc. 21st Session ICUMSA, 1994, pp. 332–335.