



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Cancellation
Certificate of Approval
No 6/9C/282

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

This is to certify that the approval for use for trade granted in respect of the
Tanita Model BWB-800MA Weighing Instrument

submitted by W W Wedderburn Pty Ltd
 now of 101 Williamson Road
 Ingleburn NSW 2565

has been cancelled in respect of new instruments as from 1 November 2010.

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

A handwritten signature in black ink, consisting of a series of loops and flourishes, positioned to the right of the signature text.



Australian Government

**National Measurement
Institute**

12 Lyonpark Road, North Ryde NSW 2113

Certificate of Approval

No 6/9C/282

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 the

Tanita Model BWB-800MA Weighing Instrument

submitted by W W Wedderburn Pty Ltd
90 Parramatta Road
Summer Hill NSW 2130.

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.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 June 2009, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NSC 6/9C/282' and only by persons authorised by the submitter.

It is the submitter's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the National Measurement Institute (NMI) and with the relevant Certificate of Approval and 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.

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

This approval shall NOT be used in conjunction with General Certificate No 6B/0.

DESCRIPTIVE ADVICE

Pattern: approved 28 May 2004

- A Tanita model BWB-800MA self-indicating weighing instrument of 200 kg maximum capacity.

Technical Schedule No 6/9C/282 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/9C/282 dated 21 July 2004
Technical Schedule No 6/9C/282 dated 21 July 2004 (incl. Test Procedure)
Figures 1 and 2 dated 21 July 2004

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

A handwritten signature in black ink, appearing to be 'J. G. T.', located in the bottom right corner of the page.

TECHNICAL SCHEDULE No 6/9C/282

Pattern: Tanita Model BWB-800MA Weighing Instrument

Submittor: W W Wedderburn Pty Ltd
90 Parramatta Road
Summer Hill NSW 2130

1. Description of Pattern

A Tanita model BWB-800MA self-indicating weighing instrument (Figure 1) with a maximum capacity of 200 kg and a verification scale interval of 0.1 kg.

Instruments are approved for use over a temperature range of 0°C to +35°C and must be so marked.

1.1 Basework

The Tanita model BWB-800MA basework has the load receptor directly supported by a single load cell. The load receptor has maximum nominal dimensions of 300 x 335 mm.

1.2 Load Cell

A Tanita model TNT-300K-EJ load cell of 300 kg maximum capacity is used.

1.3 Indicator

A Tanita model BWB-800MA digital indicator is used (Figure 2).

1.3.1 Zero

Zero is automatically corrected to within $\pm 0.25e$ whenever power is applied and whenever the instrument comes to rest within $0.5e$ of zero.

The initial zero-setting device of the pattern has a nominal range of not more than 10% of the maximum capacity of the instrument.

The instrument has a semi-automatic zero-setting device with a nominal range of not more than 2% of the maximum capacity of the instrument.

1.4 Power Supply

Power supply may be either:

- 9 V DC supplied by an AC/DC mains adaptor or other DC power source; or
- batteries (9 V DC) – typically 6 x AA cell.

Note: The AC/DC mains adaptor supplied was a Wedderburn model 9VDC500 power supply (output 9 V DC, 500 m A) – the submittor should be consulted regarding the acceptability of alternative power supply units.

1.5 Display Check

A display check is initiated whenever power is applied.

1.6 Levelling

The instrument is provided with adjustable feet and adjacent to the level indicator is a notice advising that the instrument must be level when in use.

1.7 Sealing Provision

Provision is made for access to the calibration adjustments to be sealed by preventing access within the indicator housing. Typically this is by application of a destructible adhesive label over one of the screws which hold together the two halves of the casing (Figure 2).

1.8 Verification/Certification Provision

Provision is made for a verification/certification mark to be applied.

1.9 Markings

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Tanita Corporation
Name or mark of manufacturer's agent	Wedderburn
Indication of accuracy class	Ⓜ
Pattern approval mark for the instrument	NSC No 6/9C/282
Maximum capacity	Max kg *
Minimum capacity	Min kg *
Verification scale interval	e = kg *
Serial number of the instrument
Special temperature limits	0°C to +35°C

* These markings shall also be shown near the display of the result if they are not already located there.

TEST PROCEDURE

Instruments should be tested in accordance with any relevant tests specified in the Uniform Test Procedures.

Maximum Permissible Errors at Verification/Certification

The maximum permissible errors for increasing and decreasing loads on initial verification/certification for loads, m , expressed in verification scale intervals, e , are:

- $\pm 0.5 e$ for loads $0 \leq m \leq 500$;
- $\pm 1.0 e$ for loads $500 < m \leq 2\,000$; and
- $\pm 1.5 e$ for loads $2\,000 < m \leq 10\,000$.

Ensure that instruments are only being used within the special temperature limits stated elsewhere in this Technical Schedule.

FIGURE 6/9C/282 – 1



Tanita Model BWB-800MA Weighing Instrument

6/9C/282
21 July 2004

FIGURE 6/9C/282 – 2



Tanita Model BWB-800MA Digital Indicator (Including Sealing)