Australian Government
Department of Industry and Science

National Measurement Institute

Cancellation

Certificate of Approval

NMI 6/9C/283

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 WB-100AZ Weighing Instrument

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

has been cancelled in respect of new instruments as from 1 October 2015.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variant 1 approved – interim certificate issued	4/10/04
1	Pattern & variant 1 approved – certificate issued	25/10/04
2	Pattern & variant 1 reviewed & amended – notification of change issued	14/12/10
3	Pattern & variant 1 cancelled – cancellation certificate issued	20/08/15

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

Dr A Rawlinson

6/9C/283
25 October 2004

Australian Government

National Measurement Institute

12 Lyonpark Road, North Ryde NSW 2113

Certificate of Approval

No 6/9C/283

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 WB-100AZ 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 November 2009, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI 6/9C/283' and only by persons authorised by the submittor.

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It is the submittor'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 4 October 2004

- A Tanita model WB-100AZ self-indicating weighing instrument of 200 kg maximum capacity.

Variant: approved 4 October 2004

1. A model WB-110AZ of 270 kg maximum capacity.

Technical Schedule No 6/9C/283 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/9C/283 dated 25 October 2004
Technical Schedule No 6/9C/283 dated 25 October 2004 (incl. Test Procedure)
Figures 1 to 3 dated 25 October 2004

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

TECHNICAL SCHEDULE No 6/9C/283

Pattern: Tanita Model WB-100AZ Weighing Instrument

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

1. Description of Pattern

A Tanita model WB-100AZ 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 WB-100AZ 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

An A & D model LCB04K300-103TN load cell of 300 kg maximum capacity is used.

1.3 Indicator

A Tanita model WB-100AZ digital indicator is used (Figure 2). The indicator may be column-mounted as in Figure 1, or without the column for wall or desk mounting.

The indicator may be fitted with a 'Body Mass Index' display which is not approved for trade use.

1.3.1 Zero

Zero is automatically corrected to within ±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.

1.3.2 Tare

A semi-automatic subtractive tare device of up to maximum capacity may be fitted.

1.4 Display Check

A display check is initiated whenever power is applied.

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1.5 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.

1.6 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 two destructible adhesive labels, one over one of the screws which hold together the two halves of the casing and the other label over the calibration access hole in the left side of the casing (Figure 3).

1.8 Verification/Certification Provision

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

1.9 Descriptive Markings and Notice

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	(III)
Pattern approval mark for the instrument	NMI 6/9C/283
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.

2. Description of Variant 1

A Tanita model WB-110AZ weighing instrument with a maximum capacity of 270 kg and a verification scale interval of 0.1 kg.

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:

±0.5 *e* for loads $0 \leq m \leq 500$;
±1.0 *e* for loads $500 < m \leq 2\,000$; and
±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.

6/9C/283
14 December 2010

Australian Government

National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Notification of Change
Certificate of Approval No 6/9C/283
Change No 1

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

The following changes are made to the approval documentation for the

Tanita Model WB-100AZ Weighing Instrument

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

A. In Certificate of Approval No 6/9C/283 dated 25 October 2004;

1. The Condition of Approval referring to the review of the approval should be amended to read:

   "This approval becomes subject to review on 1 November **2014**, and then every 5 years thereafter."

2. The FILING ADVICE should be amended by adding the following:
   "Notification of Change No 1 dated 14 December 2010"

B. In Certificate of Approval No 6/9C/283 and its Technical Schedule both dated 25 October 2004, all references to the address of the submittor should be amended to read:

   "101 Williamson Road
   Ingleburn NSW 2565."

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

FIGURE 6/9C/283 – 1

Tanita Model WB-100AZ Weighing Instrument

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25 October 2004

FIGURE 6/9C/283 – 2

Tanita Model WB-100AZ Digital Indicator (Including Sealing)

FIGURE 6/9C/283 – 1

Typical Sealing