



**Australian Government**  
**National Measurement  
Institute**

Bradfield Road, West Lindfield NSW 2070

**Cancellation**  
**General Certificate of Approval No 4/1/0C**

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  
Alcoholic Beverage Measures  
has been cancelled in respect of new instruments as from 1 September 2008.

General Certificate of Approval No 4/1/0D issued 1 July 2007 for Alcoholic  
Beverage Measures is still valid for new instruments.

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. H. T.', written in a cursive style.

# National Standards Commission



## General Certificate of Approval

**No 4/1/0C**

Issued under Regulation 9  
of the  
National Measurement (Patterns of Measuring Instruments) Regulations

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

**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 Certificate is issued upon completion of a review of NSC approval No 4/1/0/B.

### CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/6/1999.

It is the manufacturer's responsibility to ensure that all instruments purporting to comply with this approval are constructed as described in this Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act.

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

DESCRIPTIVE ADVICE

Pattern: approved 27/5/94

- Measures of various capacities which are usually filled on request to serve certain alcoholic beverages.

Technical Schedule No 4/1/0C describes the pattern.


FILING ADVICE

General Certificate No 4/1/0/B and its Technical Schedule are superseded by this Certificate and Technical Schedule, and may be destroyed.

The documentation for this approval now comprises:

General Certificate of Approval No 4/1/0C dated 15/6/94  
Technical Schedule No 4/1/0C dated 15/6/94(incl. Test Procedure)

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.





# National Standards Commission

## TECHNICAL SCHEDULE No 4/1/0C

**Pattern:** Alcoholic Beverage Measures.

### 1. Description of Pattern

Beverage measures which are usually filled on request to serve certain alcoholic drinks, in the categories and capacities specified below:

- (a) Liquor measures in capacities of 15 mL, 30 mL or 60 mL, for the sale of brandy (including cognac and armagnac), gin, rum, vodka or whisky (whiskey).
- (b) Drinking vessels for the sale of beer, stout or ale comprising:
  - (i) Drinking measures in capacities from 100 mL to 1 L (e.g. glasses, cups, mugs, etc.); and
  - (ii) Portable measures in capacities from 0.5 L to 5 L (e.g. carafes, jugs, etc.).

**Note:** Portable containers which are prepacked and contain a marked quantity are not covered by this Approval.

#### 1.1 Construction

##### 1.1.1 Materials

Every measure shall be made of rigid or semi-rigid material.  
Line measures shall be made of transparent or translucent material.

##### 1.1.2 Design

Every measure shall stand firmly on its base, with the brim or the line defining its capacity in a horizontal plane.

Every measure shall empty completely when tilted to an angle of 120° from the vertical.

Every measure shall remain stable, and not overturn, when tilted to an angle of 15° from the vertical, whether it is completely filled, partly filled or empty.

Portable measures may be provided with a stopper.

### 1.1.3 Capacity Definition

The capacity is the volume which is marked on the measure, which is the volume of liquid the measure is deemed to contain when filled to the prescribed level with liquid at a temperature of 20°C.

The capacity of any line measure shall be defined by a denominated line. The measure shall be clearly and permanently marked on one side with a horizontal line which is not less than 15 mm long and which is not more than 3 mm nor less than 1 mm wide.

The capacity of any brim measure shall be defined by the brim.

Every portable measure shall be a line measure, with the capacity line not less than 15 mm from the brim.

If a stopper is used on a portable measure, the distance between its lower extremity and the capacity line shall be not less than 10 mm.

### 1.2 Marking

Alcoholic beverage measures shall be marked with the following data:

Manufacturer's identification  
Capacity  
Batch testing mark (#)



(#) If batch testing is to be used, manufacturers should ensure that they comply with the batch testing requirements (including marking of measures) of the *Uniform Trade Measurement Legislation* and with the *Inspector's Handbook*. If batch testing is not used, provision shall be made for a verification/certification mark to be applied on each measure.

The batch testing mark shall be in the form of a stylised scale mark. A typical example is shown above.

On liquor measures, a stylised scale mark shall be used in conjunction with a servicing licensees mark or a verification mark.

Wherever possible, markings shall be in accordance with AS 1000-1979, *The International System of Units (SI) and its Application*. Numbers less than one shall be written with a zero in front of the decimal marker. Unit symbols are placed after the complete numerical value, leaving a space between the numerical value and the unit symbol. The unit or its symbol are written in lower case, except that an upper case L is the preferred symbol for litre in all cases, e.g. 0.5 litre (0.5 L), 500 millilitres (500 mL).

The capacity shall be clearly and permanently marked or moulded on the side or base of the measure, including the unit or its symbol.

In the case of a line measure where the capacity is marked on the base, the base shall also carry a statement that the measure is a line measure.

The preferred units (and their symbols) are millilitres (mL) and litres (L). Other acceptable units are centilitres (cL) and decilitres (dL).

Where the measure is marked on the side, the capacity and its unit (or symbol) shall be in the same alignment. The markings shall be in a position clearly visible when the measure is standing on its base.

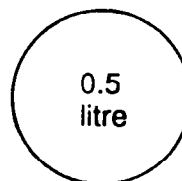
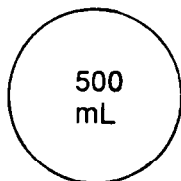
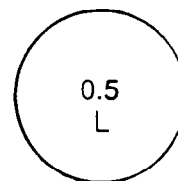
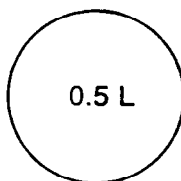
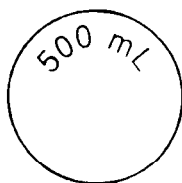
Examples: Brim measures - 0.5 litre, 500 mL, 0.5 L.

Line measures

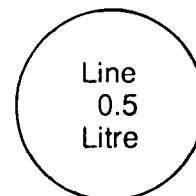
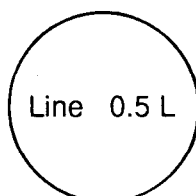
\_\_\_\_\_ 0.5 litre      \_\_\_\_\_ 500 mL      \_\_\_\_\_ 0.5 L

Where the measure is marked on the base, the capacity and its unit (or symbol) shall be in the same alignment, or the unit (or its symbol) shall be below the capacity.

Examples: Brim measures



Line measures



In the statement of capacity, all numbers and uppercase letters shall be at least 5 mm high (drinking and portable measures) or 3 mm high (liquor measures); all lower case letters shall be at least 3 mm high (drinking and portable measures) or 2 mm high (liquor measures).

Any lines or decorative markings shall be positioned so that they cannot be confused with the capacity line (where applicable) or the mandatory markings.

### TEST PROCEDURE

Instruments should be tested in accordance with any relevant tests specified in the Inspector's Handbook.

#### Maximum Permissible Errors

The maximum permissible errors applicable at verification/certification are:

- |     |                    |                  |          |
|-----|--------------------|------------------|----------|
| (a) | For brim measures; | 15 mL capacity   | + 1 mL   |
|     |                    | 30 mL capacity   | + 2 mL   |
|     |                    | 60 mL capacity   | + 3.5 mL |
|     |                    | other capacities | + 6%     |
| (b) | For line measures; | all capacities   | ± 3%.    |

# National Standards Commission



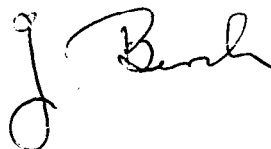
## Notification of Change Certificate of Approval No 4/1/0C Change No 1

The following changes are made to the approval documentation for  
Alcoholic Beverage Measures.

1. In General Certificate of Approval No 4/1/0C dated 15 June 1994;
  - (a) The Condition of Approval referring to the review of the approval should be amended to read:

"This approval becomes subject to review on 1 June 1999, and then every 5 years thereafter."
  - (b) Remove the word "certain" from the description of the Pattern given in the DESCRIPTIVE ADVICE on page 2.
2. In Technical Schedule No 4/1/0C dated 15 June 1994, clause **1. Description of Pattern**:
  - (a) Remove the word "certain" from the 1st sentence.
  - (b) Remove the words "for the sale ... or whisky (whiskey)" from subclause (a).
  - (c) Remove the words "for the sale of beer, stout or ale" from the 1st line of subclause (b).

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.







**Australian Government**  

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**National Measurement  
Institute**

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**Notification of Change**  
**General Certificate of Approval No 4/1/0C**  
**Change No 2**

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

The following changes are made to the approval documentation for  
Alcoholic Beverage Measures.

In Technical Schedule No 4/1/0C dated 15 June 1994;

- (a) In clause **1.1.3 Capacity Definition**, the 2nd sentence of the 2nd paragraph should be amended by deleting 'on one side' after 'permanently marked'.
- (b) In clause **1.2 Marking**, the footnote '(#)' should be amended by replacing the reference to the 'Inspector's Handbook' with 'Uniform Test Procedures'.
- (c) In the TEST PROCEDURE, the 1st paragraph should be amended by replacing the reference to the 'Inspector's Handbook' with 'Uniform Test Procedures'.
- (d) In the TEST PROCEDURE, clause (b) in the Maximum Permissible Errors should be replaced with:

'(b) For line measures;	$\geq 15 \text{ mL} \leq 100 \text{ mL}$	$\pm 3\%$
	$> 100 \text{ mL} \leq 250 \text{ mL}$	$\pm 6\%$
	$> 250 \text{ mL}$	$\pm 3\%$

Signed by a person authorised by the Chief Metrologist  
to exercise his powers under Regulation 60 of the  
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