

Australian Standard™

Laboratory glassware—Bottles

Part 1: Screw-neck bottles



This Australian Standard was prepared by Committee CH-001, Laboratory Glassware and Related Apparatus. It was approved on behalf of the Council of Standards Australia on 31 October 2001 and published on 4 January 2002.

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Australian Chamber of Commerce and Industry
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Science Industry Australia Inc
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PREFACE

This Standard was prepared by the Standards Australia Committee CH-001, Laboratory Glassware and Related Apparatus. This Standard is identical with and has been reproduced from ISO 4796-1:2000, *Laboratory glassware—Bottles, Part 1: Screw-neck bottles*.

ISO 4796 consists of the following parts under the general title, *Laboratory glassware—Bottles*:

Part 1: Screw-neck bottles

Part 2: Conical neck bottles

Part 3: Aspirator bottles

The objective of this Standard is to specify a series of screw-neck bottles suitable for the storage of fluid liquid and solid chemicals and reagents in general laboratory use.

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number appears on the cover and title page while the International Standard number appears only on the cover.
- (b) In the source text, 'this part of ISO 4796' should read 'this Australian Standard'.
- (c) Figure 2 on page 3 refers to 25 L in the caption. The maximum capacity in the rest of the document is 20 L, so the value should be changed accordingly.
- (d) A full point substitutes for a comma when referring to a decimal marker.
- (e) Substitute 'L' for 'l' and 'mL' for 'ml' wherever it appears.
- (f) The ISO document listed as a normative reference in Clause 2 has not been adopted as an Australian Standard.

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AUSTRALIAN STANDARD

Laboratory glassware — Bottles —

Part 1: Screw-neck bottles

1 Scope

This part of ISO 4796 specifies a series of screw-neck bottles suitable for the storage of liquid and solid chemicals and reagents in general laboratory use. These bottles are also suitable for the preparation and storage of microbiological growth media.

2 Normative reference

The following normative document contains provisions which, through reference in this text, constitute provisions of this part of ISO 4796. For dated references, subsequent amendments to or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 4796 are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 3585:1998, *Borosilicate glass 3.3 — Properties*

3 Capacities

3.1 The nominal capacities of screw-neck bottles shall be chosen from the following series:

25 ml — 50 ml — 100 ml — 250 ml and 500 ml;

1 l — 2 l — 5 l — 10 l — 15 l and 20 l.

3.2 The nominal capacity of a bottle indicates the quantity of liquid which a bottle of average wall thickness shall contain when the bottle is filled to the turn of the shoulder.

3.3 The design of the bottle shall be such that the total capacity to the base of the neck shall be approximately 15 % greater than that to the shoulder.

4 Dimensions

The dimensions and tolerances of screw-neck bottles are given in Figures 1 and 2 and in Table 1.