

Australian Standard™

**Laboratory glassware—Boiling flasks  
with interchangeable conical ground  
glass joints**



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 20 October 2005.

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The following are represented on Committee CH-001:

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Science Industry Australia  
University of New South Wales  
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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 4797:2004, *Laboratory glassware—Boiling flasks with conical ground joints*.

The objective of this Standard is to ensure that boiling flasks with conical ground joints meet the requirement of users for laboratory purposes.

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

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text 'this International Standard' should read 'this Australian Standard'.
- (c) A full point should be substituted for a comma when referring to a decimal marker.
- (d) Substitute 'L' for 'l' and 'mL' for 'ml' whenever they appear.
- (e) The following note should be added to the Scope:

NOTE: Good laboratory practice demands that the smaller volume conical flasks only be used as storage or reaction vessels where physical stability is required, and not for heating their contents. It is strongly recommended that conical flasks of less than 50 mL capacity NOT be used for boiling liquids, since the shape of the flask is such that, should bumping or superheating of the liquid occur during heating, the contents may be/are likely to be violently expelled.

Reference to International Standards should be replaced by reference to Australian Standards

<i>Reference to International Standard</i>	<i>Australian Standard</i>
ISO	AS
383 Laboratory glassware—Interchangeable conical ground joints	2409 Laboratory glassware—Interchangeable conical ground glass joints

Other ISO documents listed as normative references in Clause 2 have not been adopted as Australian Standards.

This Australian Standard adopts the Series 2 dimensions as given in Tables 1, 2 and 3.