

Dup

Under Revision Code
AS 2162-1-1996

This is a free page sample. Access the full version online.

SUPERSEDED BY

AS 2162-1-1996

AS 2162—1979
UDC 542.3

Australian Standard 2162—1979

SAA VOLUMETRIC GLASSWARE CODE



STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter



THE FOLLOWING INDUSTRIAL, SCIENTIFIC AND GOVERNMENTAL organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

Australian Medical Association
Chambers of Commerce (N.S.W. Vic.)
Chief Secretary's Department, Victoria
Commonwealth Serum Laboratories
Confederation of Australian Industry
Department of Agriculture, N.S.W.
Department of Science and the Environment
Government Chemical Laboratories, W.A.
National Measurement Laboratory
National Standards Commission
Railways of Australia Committee
Royal Australian Chemical Institute
Royal Melbourne Hospital
Universities
Victorian State Laboratories

This standard, prepared by Committee CH/1, Laboratory Glassware and Related Apparatus, was approved by the Chemical Standards Board on behalf of the Council of the Standards Association of Australia on 30 January 1979, and was published on 1 April 1979.

In order to keep abreast of progress in industry, Australian standards are regularly reviewed. Suggestions for improvement to published standards addressed to the head office of the Association, are welcomed.

This standard was issued in draft form for public review as DR 78079.

AUSTRALIAN STANDARD

**CODE OF PRACTICE FOR
THE USE OF
VOLUMETRIC
GLASSWARE**

known as the

**SAA VOLUMETRIC
GLASSWARE CODE**

AS 2162—1979

First published (as AS CR1)	1949
Revised	1969
Revised and issued as AS 2162	1979

**PUBLISHED BY THE STANDARDS ASSOCIATION OF AUSTRALIA
STANDARDS HOUSE, 80 ARTHUR ST, NORTH SYDNEY, N.S.W.**

ISBN 0 7262 1628 3



PREFACE

This standard was prepared by the Association's Committee on Laboratory Glassware and Related Apparatus as a revision of AS CR1—1969, which it accordingly supersedes. It describes procedures for the verification of volumetric glassware using water or mercury as the working substance, and gives recommended practices for the use of such glassware. The standard was originally published in 1949 to assist persons engaged in the manufacture, verification and use of volumetric glassware.

In the preparation of this revision, cognizance was taken of proposals issued by the International Organization for Standardization (ISO), amendments made to relevant standards, and experience gained since the standard was first published. Acknowledgement is also made of the assistance given by the staff of the National Measurement Laboratory in the preparation of this revision.

Attention is drawn to the fact that the attainment of a high level of accuracy depends upon the use of satisfactory techniques as well as that of matching the quality of the glassware to the task on hand. In regard to the latter it is recommended that the use of Class A glassware be restricted to those operations which necessitate attainment of the highest degree of accuracy.

Australian standard specifications for commonly used items of volumetric glassware are listed in Appendix F which also details relevant British standards and some basic literature references.

The units of volume used in this code are the litre (L) and the millilitre (mL). In terms of the SI units the litre is equivalent to 10^{-3} m^3 (1 dm^3) and the millilitre is equivalent to 10^{-6} m^3 (1 cm^3).

©Copyright — STANDARDS ASSOCIATION OF AUSTRALIA 1979

Users of standards are reminded that copyright subsists in all SAA publications. No part of this publication may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing of the Standards Association of Australia.

CONTENTS

CODE		<i>Page</i>
1	Scope	4
2	Definitions	4
3	Factors Affecting Accuracy	4
4	Verification	9
5	The Use of Volumetric Glassware	14
APPENDICES		
A	Cleaning of Volumetric Glassware	17
B	Method for the Determination of Delivery Time	19
C	Leakage Test for Burette Stopcocks	20
D	Stopcock Lubricants	21
E	Correction Tables for Glass Vessels	22
F	List of Reference Literature including Relevant Australian and British Standards	28

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-