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Australian Standard 2162—1979

SAA VOLUMETRIC GLASSWARE CODE



STANDARDS ASSOCIATION OF AUSTRALIA
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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

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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).

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