

Australian Standard<sup>®</sup>

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**MEASURING CYLINDERS—  
PLASTICS—GRADUATED**

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This Australian standard was prepared by Committee CH/1, Laboratory Glassware and Related Apparatus. It was approved on behalf of the Council of the Standards Association of Australia on 7 November 1984 and published on 4 March 1985.

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The following interests are represented on Committee CH/1:

Commonwealth Scientific and Industrial Research Organization  
Confederation of Australian Industry  
Department of Agriculture, NSW  
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Department of Science and Technology  
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## PREFACE

This standard was prepared by the Association's Committee on Laboratory Glassware and Related Apparatus as the first in a series of standards on laboratory plasticsware. Although the use of laboratory plasticsware is becoming more common, the committee believes that the user has the responsibility of ensuring that the plastics cylinders are made of a material whose properties, especially chemical and thermal, do not interfere with the desired end use. This standard thus only describes what are considered to be *essential* general requirements for such cylinders.

Detailed, simple tests have been provided to assist in the investigation of measuring cylinders claimed to comply with this standard. It is hoped that these tests leave sufficient allowance for cylinders to be tested with any suitable apparatus that can be devised by the testing laboratory, but which complies with the essential requirements specified herein.

Glass measuring cylinders are covered in AS 2163, Volumetric Glassware—Graduated Measuring Cylinders.

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for  
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**1 SCOPE.** This standard specifies requirements for a series of plastics measuring cylinders of capacities ranging from 10 mL to 4000 mL, each having a graduated volumetric scale and a pouring lip and of the typical design shown in Fig. 1.

**2 REFERENCED DOCUMENTS.** The following standards are referred to in this standard:

AS 1199	Sampling Procedures and Tables for Inspection by Attributes	AS 2243	Safety in Laboratories Part 1—General Part 2—Chemical
AS 1399	Guide to AS 1199, Sampling Procedures and Tables for Inspection by Attributes	AS 2490	Sampling Procedures and Charts for Inspection by Variables for Percent Defective
AS 1821-23	Suppliers Quality Control Systems—Levels 1, 2 and 3	AS 2508	Safe Storage and Handling Information Cards for Hazardous Materials
AS 2000	Guide to AS 1821-1823, Suppliers Quality Control Systems		2508.3.001 Acetone 2508.3.009 Hydrocarbon Solvents 2508.3.015 Toluene 2508.3.017 Ethanol/Methylated Spirits 2508.8.002 Hydrochloric Acid 2508.8.004 Acetic Acid 2508.8.006 Sodium Hydroxide 2508.8.007 Nitric Acid

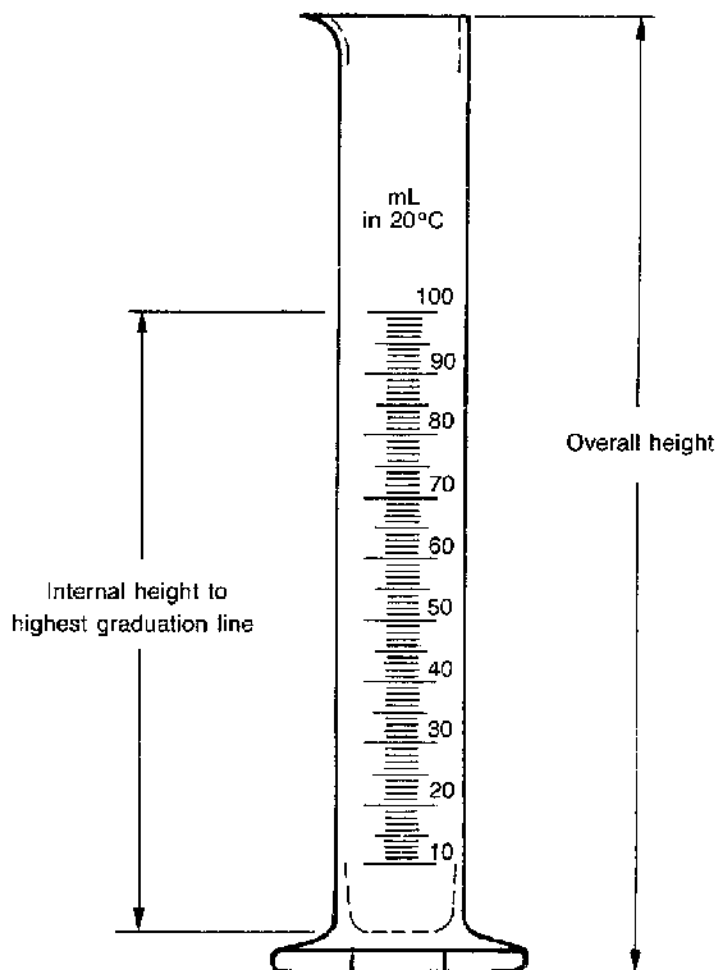


Fig. 1. GENERAL APPEARANCE OF MEASURING CYLINDER