

AS 2850—1986

Australian Standard<sup>®</sup>

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**Chemical analysis—Interlaboratory  
test programs—For determining  
precision of analytical method(s)—  
Guide to the planning and conduct**

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This Australian standard was prepared by a subcommittee of the Association's Committee CH/23, General Methods of Chemical Analysis. It was approved on behalf of the Council of the Standards Association of Australia on 19 April 1986 and published on 4 August 1986.

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The following interests are represented on Committee CH/23:

Australian Government Analytical Laboratories  
Australian Institute of Food Science and Technology  
Australian Mineral Development Laboratories  
Bureau of Steel Manufacturers of Australia  
Commonwealth Scientific and Industrial Research Organization  
Confederation of Australian Industry  
National Association of Testing Authorities, Australia  
National Health and Medical Research Council  
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## PREFACE

This standard was prepared by the Association's Committee on General Methods of Chemical Analysis under the direction of the Chemical Standards Board. It has been prepared to assist persons and organizations involved in the development and testing/validation of methods of chemical analysis.

The standard provides guidance in choosing test materials, laboratories and test procedures to select and validate methods of chemical analysis and includes the subsequent determination of the precision of the test methods. It is based on ISO 5725—Precision of Test Methods—Determination of Repeatability and Reproducibility by Interlaboratory Tests, but has been expanded to include procedures which assist in the validation of test methods, and modified to aid its clarification and application.

It is suggested that the procedures described herein may, with simple but appropriate modification, be applied to many areas of physical testing also, e.g. viscosity determinations, fracture testing, density determinations.

It should be noted that proposals for expanding this standard, particularly with respect to including more details of data evaluation, have already been received by the committee and will be considered for inclusion in the second edition. It was felt that the proposals required far more deliberation and discussion than was considered acceptable for further delaying publication of this workable and much needed standard.

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