

under revision See Draft DR 96063

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**INFORMATION CENTRE
STANDARDS AUSTRALIA**

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Amendment 1 - August 1996

AS 2243.4(Int)—1994

(Expires 20 June 1996)

SUPERSEDED BY:

AS 2243.4-1998

SEE AMENDMENT 1

1998

Interim Australian Standard®

Safety in laboratories

Part 4: Ionizing radiations

STANDARDS AUSTRALIA



This Interim Australian Standard was prepared by Committee CH/26, Safety in Laboratories. It was approved on behalf of the Council of Standards Australia on 22 April 1994 and published on 20 June 1994.

The following interests are represented on Committee CH/26:

**Australian Government Analytical Laboratories
Chemical Confederation of Australia
Department of Agriculture and Rural Affairs, Victoria
Department of Defence
Ministry of Commerce, New Zealand
National Association of Testing Authorities, Australia
Occupational Health and Safety Authority, Victoria
The WorkCover Authority, New South Wales**

Additional interests participating in preparation of Standard:

**Environment Protection Authority, N.S.W.
Queen Elizabeth II Medical Centre, W.A.
Independent consultant physicist
Office of the Supervising Scientist for the Alligator Rivers Region
University of New South Wales**

Review of Australian Standards. To keep abreast of progress in industry, Australian Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications; this information is supplemented each month by the magazine 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

This Standard was issued in draft form for comment as DR 92101.

AS 2243.4(Int)/Amdt 1/1996-08-05

STANDARDS AUSTRALIA

1 AUG 1996

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STANDARDS AUSTRALIA

Amendment No. 1
to
AS 2243.4(Int)—1994
Safety in laboratories
Part 4: Ionizing radiations

REVISED TEXT

The 1994 edition of AS 2243.4(Int) is amended as follows; the amendment should be inserted in the appropriate place.

SUMMARY: This Amendment applies to the front cover.

Published on 5 August 1996.

AMDT
No. 1
AUG.
1996

Front cover

Delete 'Expires 20 June 1996' and *substitute* the following:
'Expires 20 June 1998'.

AS 2243.4(Int)—1994

Interim Australian Standard[®]

Safety in laboratories

Part 4: Ionizing radiations

First published as AS 2243.4—1979.
Second edition—1986.
Revised and designated AS 2243.4(Int)—1994.

**PUBLISHED BY STANDARDS AUSTRALIA
(STANDARDS ASSOCIATION OF AUSTRALIA)
1 THE CRESCENT, HOMEBUSH, NSW 2140**

ISBN 0 7262 8943 4

PREFACE

This Interim Standard was prepared by the Standards Australia Committee on Safety in Laboratories, under the direction of the Multitechnics Standards Board, to supersede AS 2243.4—1988. This Interim Standard is issued for a period of two years only from the date of publication.

This Interim Standard was prepared after consideration of the *1990 Recommendations of the International Commission on Radiological Protection*, ICRP Publication 60 and ICRP Publication 61 as reflected by the *Interim Statement on Australia's Radiation Protection Standards (1991)* (Radiation Health Series No. 33) issued by the National Health and Medical Research Council (NHMRC). It is expected that the NHMRC will publish its *Recommendations for limiting exposure to ionizing radiation* during 1994. These recommendations should be consulted when they are available.

Sections dealing with dose limits, accident and emergency procedures and the requirements for radiological laboratories have been substantially revised or rewritten for this edition. Some requirements for laboratories contained in Clauses 11.5 and 11.6 have been relaxed in the light of experience which has shown that the previous higher standards were unnecessary.

Acknowledgment is made to various information sources, such as the publications of the International Commission on Radiological Protection, the National Radiological Protection Board (UK), Her Majesty's Stationery Office (UK), the International Atomic Energy Agency and the National Medical and Health Research Council (Australia).

This Interim Standard is the fourth in the AS 2243 series aimed at promoting safety in laboratories.

Other parts of the AS 2243 series are as follows:

- Part 1: *General*
- Part 2: *Chemical aspects*
- Part 3: *Microbiology*
- Part 5: *Non-ionizing radiations*
- Part 6: *Mechanical aspects*
- Part 7: *Electrical aspects*
- Part 8: *Fume cupboards*
- Part 9: *Recirculating fume cabinets*
- Part 10: *Storage of chemicals*

The terms 'normative' and 'informative' have been used in this Interim Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

Standards Australia invites comment on this Interim Standard from persons and organizations concerned with this subject. The date of expiry for comment is 24 months after publication, at which time this Interim Standard will either be confirmed, withdrawn or revised in the light of public comment. During the life of this document the Committee will monitor all comment as it is received.

Attention is given to the fact that this document is an Interim Australian Standard and should be regarded as a developmental Standard and liable to future alteration.

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