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# MALAYSIAN STANDARD

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CODE OF PRACTICE FOR  
SAFETY IN LABORATORIES  
PART 4 : IONIZING RADIATIONS



**SIRIM**

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The Malaysian Standards are subject to periodical review to keep abreast of progress in the industries concerned. Suggestions for improvements will be recorded and in due course brought to the notice of the Committees charged with the revision of the standards to which they refer.

The following references relate to the work on this standard:

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## Committee representation

The Chemical and Pharmaceutical Industry Standards Committee under whose supervision this Malaysian Standard was prepared, comprises representatives from the following Government Ministries, trade, commerce and manufacturer associations and scientific and professional bodies.

Federation of Malaysian Manufacturers

Malaysian Institute of Chemistry

Malaysian Paint Manufacturers Association

Malaysian Pharmaceutical Society

Ministry of Defence (Defence Science and Technology Centre)

Ministry of Health (Institute for Medical Research)

Ministry of Science, Technology and the Environment (Chemistry Department)

National Chambers of Commerce and Industry of Malaysia

Petronas

The Special Working Group on Code of Practice for Safety in Laboratories which prepared this Malaysian Standard consists of the following representatives:

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## FOREWORD

This Malaysian Standard was prepared by the Special Working Group on Code of Practice for Safety in Laboratories under the authority of the Chemical and Pharmaceutical Industry Standards Committee.

In the preparation of this standard specification, the following sources were referred to:

The Atomic Energy Licensing Act 1984 (Act 304)

The Radiation Protection (Basic Safety Standards) Regulations 1988

Code of Practice for Radiation Protection (Medical X-Ray) Diagnosis

A Guide for the appointment and duties of a radiation protection officer (RPO)

AS 1319 Rules for the Design and Use of Safety Signs for the Occupational Environment

AS 2243 Safety in Laboratories

Part 5: Non-ionizing Radiations

Part 8: Fume Cupboards

BS 381C Colours for Specific Purposes

Code of Practice for the Control and Safe Handling of Sealed Radioactive Sources Used in Radiation Therapy (other than Teletherapy), NH&MRC\* Special Report Series No. 11, 1962

Code of Practice for Protection Against Ionizing Radiation Emitted from X-ray Analysis Equipment, NH&MRC\* 1984

ICRP Publications 21, 26 and 30, published by the International Commission on Radiological Protection.