



MALAYSIAN STANDARD

MS 1042-6:2015

Safety in laboratories - Code of practice - Part 6: Plant and equipment aspects (First revision)

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Committee representation

The Industry Standards Committee on Occupational Safety and Health (ISC W) under whose authority this Malaysian Standard was developed, comprises representatives from the following organisations:

Business Council for Sustainability and Responsibility Malaysia
Chemical Industries Council of Malaysia
Construction Industry Development Board Malaysia
Department of Agriculture
Department of Chemistry, Malaysia
Department of Environment
Department of Occupational Safety and Health Malaysia
Department of Standards Malaysia
Federation of Malaysian Manufacturers
Jabatan Bomba dan Penyelamat Malaysia
Lloyd's Register Technical Services Sdn Bhd
Malaysian Employer Federation
Malaysian Industrial Hygiene Association
Malaysian International Chamber of Commerce and Industry
Malaysian Nuclear Agency
Malaysian Society for Occupational Safety and Health
Malaysian Trade Union Congress
Mineral and Geoscience Department Malaysia
Ministry of Health Malaysia
Ministry of International Trade and Industry
National Institute of Occupational Safety and Health
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
SME Corporation Malaysia
Suruhanjaya Tenaga
The Institution of Engineers, Malaysia
Universiti Kebangsaan Malaysia

The Technical Committee on Safety in Laboratories which supervised the development of this Malaysian Standard consists of representatives from the following organisations:

Department of Agriculture (Pesticides Board)
Department of Chemistry, Malaysia
Department of Occupational Safety and Health Malaysia
Institute for Medical Research
Institute of Chemistry Malaysia
Jabatan Bomba dan Penyelamat Malaysia
Malaysian Industrial Hygiene Association
National Institute of Occupational Safety and Health
National Pharmaceutical Control Bureau
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
Sterling Drug (M) Sdn Bhd
Suruhanjaya Tenaga
Universiti Kebangsaan Malaysia

The Working Group on Safety in Laboratories - Mechanical Aspect which developed this Malaysian Standard consists of representatives from the following organisations:

Department of Occupational Safety and Health Malaysia
HICOM Diecasting Sdn Bhd
Science and Technology Research Institute for Defence
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
Universiti Teknologi Malaysia
Universiti Teknologi MARA

MS 1042-6:2015

Foreword

This Malaysian Standard was developed by the Working Group on Safety in Laboratories - Mechanical Aspect under the authority of the Industry Standards Committee on Occupational Safety and Health.

MS 1042 consists of the followings parts, under the general title *Safety in laboratories - Code of practice*:

Part 1: General

Part 2: Chemical aspects

Part 3: Microbiological aspects and containment facilities

Part 4: Ionising radiations

Part 5: Non-ionising radiations - Electromagnetic, sound and ultrasound

Part 6: Plant and equipment aspects

Part 7: Fume cupboards

Part 8: Recirculating fume cabinet

Part 9: Storage of chemicals

It is recommended that Part 1 be used in conjunction with this part, and that additional parts be obtained where justified and by the type of operations carried out in the particular laboratory.

The term 'shall' is used in this standard to indicate the requirements that have to be met for compliance with this standard. The term 'should' indicates a recommendation while the term 'may' indicates the existence of an option.

This standard is Part 6 of a 9 part series designed to promote safety in laboratory operations, and is aimed at specific aspects of plant and equipment.

This part also makes references to other standard publications and literatures and these are listed in Annex A.

This Malaysian Standard cancels and replaces MS 1042: Part 6:1992, *Code of practice for safety in laboratories - Part 6: Mechanical aspects*.

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.