



# MALAYSIAN STANDARD

MS ISO 5667-1: 2016

**Water quality – Sampling – Part 1: Guidance  
on the design of sampling programmes and  
sampling techniques  
(ISO 5667-1:2006, IDT)**

**ICS: 31.060.45**

Descriptors: water, quality, sampling, sampling equipment, generalities, sampling techniques

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**DEPARTMENT OF STANDARDS MALAYSIA**

## DEVELOPMENT OF MALAYSIAN STANDARDS

The **Department of Standards Malaysia (STANDARDS MALAYSIA)** is the national standardisation and accreditation body.

The main function of STANDARDS MALAYSIA is to foster and promote standards, standardisation and accreditation as a means of advancing the national economy, promoting industrial efficiency and development, benefiting the health and safety of the public, protecting the consumers, facilitating domestic and international trade and furthering international cooperation in relation to standards and standardisation.

Malaysian Standards are developed through consensus by committees which comprise of balanced representation of producers, users, consumers and others with relevant interests, as may be appropriate to the subject in hand. These standards where appropriate are adoption of international standards. To the greatest extent possible, Malaysian Standards are aligned to or are adoption of international standards. Approval of a standard as a Malaysian Standard is governed by the Standards of Malaysia Act 1996 (Act 549). Malaysian Standards are reviewed periodically. The use of Malaysian Standards is voluntary except in so far as they are made mandatory by regulatory authorities by means of regulations, local by-laws or any other similar ways.

For the purposes of Malaysian Standards, the following definitions apply

**Revision:** A process where existing Malaysian Standard is reviewed and updated which resulted in the publication of a new edition of the Malaysian Standard

**Confirmed MS:** A Malaysian Standard that has been by the responsible committee and confirmed that its contents are current.

**Amendment:** A process where a provision of existing Malaysian Standard is altered. The changes are indicated in an amendment page which is incorporated into an existing Malaysian Standard. Amendments can be of technical and/or editorial nature.

**Technical corrigendum:** A corrected reprint of the current edition which issued to correct either a technical error or ambiguity in a Malaysian Standard inadvertently introduced in drafting or in printing and which could lead to incorrect or unsafe application of the publication.

NOTE : Technical corrigendum are not to correct errors which can be assumed to have no consequence in the application of the Malaysian Standard, for example, minor printing errors.

The Department of Standards has appointed **Institut Kimia Malaysia (IKM)** as the agent to develop, distribute and sell Malaysian Standards.

For further information on Malaysian Standards, please contact:

**Department of Standards Malaysia**  
Century Square  
Level 1 & 2, Block 2300, Jalan Usahawan,  
63000 Cyberjaya, Selangor  
Malaysia  
Tel: 60 3 8318 0002  
Fax: 60 3 8319 3131  
<http://www.standardsmalaysia.gov.my>  
Email: [central@standardsmalaysia.gov.my](mailto:central@standardsmalaysia.gov.my)

OR

**Institut Kimia Malaysia**  
129A, Jalan Aminuddin Baki,  
Taman Tun Dr. Ismail  
60000 Kuala Lumpur Malaysia  
Tel: 60 3 7724 1929  
Fax: 60 3 7725 1929  
<http://www.ikm.org.my>  
Email: [ikm-sda@ikm.org.my](mailto:ikm-sda@ikm.org.my)

## Committee representation

The Industry Standards Committee on Chemical and Materials (ISC B) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Department of Chemistry Malaysia  
Department of Minerals and Geoscience  
Department of Standards Malaysia  
Malaysian Association of Standards Users  
Department of Occupational Safety and Health  
Malaysian Ceramic Industry Group  
Malaysian Institute of Chemistry  
Malaysian Institute of Chemistry (Secretariat)  
Malaysian Paint Manufacturers Association  
Malaysian Pulp and Paper Manufacturers Association  
Ministry of Agricultural and Agro-based Industry (Department of Agriculture)  
Ministry of Domestic Trade, Co-operatives and Consumerism (Consumerism Standards Division)  
Ministry of International Trade and Industry  
Universiti Malaya  
Universiti Sains Malaysia  
Universiti Teknologi Malaysia

The Technical Committee on Water Quality which supervised the adoption of the ISO Standard as Malaysian Standard consists of representatives from the following organisations:

Alam Sekitar Malaysia Sdn Bhd  
Atomic Energy Licensing Board  
Department of Chemistry Malaysia  
Department of Irrigation and Drainage Malaysia  
Department of Minerals and Geoscience  
Environment Institute of Malaysia  
Malaysian Institute of Chemistry (Secretariat)  
Malaysian Nuclear Agency  
Malaysian Water Association  
Ministry of Energy, Green Technology and Water  
Ministry of Health Malaysia (Engineering Services Division)  
National Water Services Commission  
Selangor Waters Management Authority  
SIRIM Berhad  
SIRIM QAS International Sdn Bhd (Chemical and Consumer Section)  
Syarikat Bekalan Air Selangor Sdn. Bhd.

The Working Group on Sampling (Water Quality) which recommends adoption the ISO Standard consists of representatives from the following organisations:

Alam Sekitar Malaysia Sdn Bhd  
ALS Technichem (M) Sdn Bhd  
Department of Chemistry Malaysia  
Department of Environment, Malaysia  
Department of Irrigation and Drainage Malaysia  
Department of Minerals and Geoscience, Malaysia  
Fisheries Research Institute  
Indah Water Konsortium Sdn Bhd  
Malaysian Institute of Chemistry (Secretariat)  
Malaysian Nuclear Agency  
Malaysian Water Association  
Marine Department Malaysia  
Ministry of Energy, Green Technology and Water  
Ministry of Health Malaysia (Engineering Services Division)  
Ministry of Health Malaysia (Food Safety and Quality Division)  
National Hydraulic Research Institute of Malaysia  
National Water Services Commission  
Public Works Department, Malaysia  
SIRIM Berhad  
Syarikat Bekalan Air Selangor Sdn. Bhd

# MS ISO 5667-1:2016

## NATIONAL FOREWORD

The adoption of the ISO Standard as a Malaysian Standard was recommended by the Working Group Committee on Sampling (Water Quality) under the authority of the Industry Standards Committee on Chemical and Materials.

This Malaysian Standard is identical with ISO 5667-1:2006, *Water quality – Sampling – Part 1: Guidance on the design of sampling programmes and sampling techniques*, published by the International Organization for Standardization (ISO). However, for the purposes of this Malaysian Standard, the following apply:

- a) in the source text, "this International Standard" should read "this Malaysian Standard";
- b) the comma which is used as a decimal sign (if any), to read as a point; and
- c) reference to International Standards should be replaced by corresponding Malaysian Standards as follows:

### Referenced International Standards

### Corresponding Malaysian Standards

ISO 6107-1, Water quality – Vocabulary – Part 1

MS ISO 6107-1, Water quality – Vocabulary – Part 1

ISO 6107-2, Water quality – Vocabulary – Part 2

MS ISO 6107-2, Water quality–Vocabulary – Part 2

This Malaysian Standard cancels and replaces MS 1850: PART 1:2006 and MS 1850: PART 2:2005.

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

NOTE. IDT on the front cover indicates an identical standard i.e. a standard where the technical content, structure, and wording (or is an identical translation) of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and structure although it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21-1.

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**Water quality — Sampling —**

Part 1:

**Guidance on the design of sampling  
programmes and sampling techniques**

*Qualité de l'eau — Échantillonnage —*

*Partie 1: Lignes directrices pour la conception des programmes et des  
techniques d'échantillonnage*

