MALAYSIAN STANDARD

MS ISO 5667-3: 2016

Water quality – Sampling – Part 3: Preservation and handling of water samples (ISO 5667-3:2012, IDT)

ICS: 31.060.45

Descriptors: water, quality, sampling, preservation and handling of samples

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:

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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

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 5667-3:2012, *Water quality – Sampling – Part 3: Preservation and handling of water samples*, 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 3696, *Water for analytical laboratory use – Specification and test methods*	MS ISO 3696:2007, Water for analytical laboratory use – Specification and test methods (ISO 3696:1987, IDT)
ISO 5667 (all part), Water quality – Sampling	MS ISO 5667 (all part), Water quality – Sampling

This Malaysian Standard cancels and replaces MS 1850: PART 3:2005.

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.

INTERNATIONAL STANDARD

ISO 5667-3

Fourth edition
2012-11-15

Water quality — Sampling —

Part 3: Preservation and handling of water samples

Qualité de l'eau — Échantillonnage —

Partie 3: Conservation et la manipulation des échantillions d'eau

Reference number
ISO 5667-3:2012(E)