MALAYSIAN STANDARD

MS ISO 4317:2017

Surface active agents and detergents - Determination water content - Karl Fischer methods (First revision) (ISO 4317:2011, IDT)

ICS: 71.100.40

Descriptors: Karl Fischer method, water content, surface active agents, test method

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 the Department 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. 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.

The Department of Standards appoints **Institut Kimia Malaysia** as the agent to develop Malaysian Standards. The Department also appoints Institut Kimia Malaysia as the agent for distribution and sale of Malaysian Standards.

For further information on Malaysian Standards, please contact:

Department of Standards Malaysia
Level 1 & 2, Block 2300, Jalan Usahawan,
63000 Cyberjaya, Selangor
Malaysia

Tel: 60 3 8318 0002
Fax: 60 3 8319 3131
http://www.jsm.gov.my
Email: central@jsm.gov.my

OR

Institut Kimia Malaysia
129A, Jalan Aminuddin Baki,
Taman Tun Dr. Ismail
60000 Kuala Lumpur

Tel: 60 3 7724 1929
Fax: 60 3 7725 1929
http://www.ikm.org.my
Email: ikm-sda@ikm.org.my

Committee representation

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

Department of Chemistry Malaysia
Department of Minerals and Geoscience
Department of Occupational Safety and Health
Department of Standards Malaysia
Malaysian Association of Standards Users
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
National Water Services Commission
Universiti Malaya
Universiti Sains Malaysia

The Technical Committee on Soaps and Detergents which developed this Malaysian Standard consists of representatives from the following organisations:

Colgate-Palmolive (M) Sdn Bhd
Department of Chemistry Malaysia
Lam Soon Edible Oil Sdn Bhd
Malaysian Cosmetic and Toiletry Industry Group
Malaysian Institute of Chemistry (Secretariat)
Malaysian Palm Oil Board
Malaysian Plastics Manufacturers Association
National Pharmaceutical Control Bureau
SIRIM Berhad
Southern Lion Sdn Bhd
Universiti Kebangsaan Malaysia
Universiti Malaya
Universiti Teknologi Mara
Wipro Manufacturing Services Sdn Bhd

MS ISO 4317:2017

National foreword

This adoption of the ISO Standard as a Malaysian Standard was recommended by the Technical Committee on Soaps and Detergents under the authority of the Industry Standards Committee on Chemical and Materials.

This Malaysian Standard is identical with ISO 4317:2011, *Surface active agents and Detergents – Determination water content – Karl Fischer methods*, 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 Malaysian Standards as follows:

Referenced International Standards	Corresponding Malaysian Standards
ISO 607, *Surface active agents - Methods of sample division*	MS ISO 607, *Surface active agents - Methods of sample division*
ISO 3696:1987, *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)*

This Malaysian Standard cancels and replaces MS ISO 4317:2010, *Surface active agents and Detergents – Determination water content – Karl Fischer methods (ISO 4317:1991, IDT)*.

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 4317

Thrid edition
2011-12-01

Surface-active agents and detergents — Determination of water content — Karl Fischer methods

Agents de surface et détergents — Détermination de la teneur en eau — Méthodes de Karl Fischer

Reference number
ISO 4317:2011(E)