



MALAYSIAN STANDARD

MS 2627:2017

Detection of porcine DNA - Test method - Food and food products

ICS: 07.080, 67.050

Descriptors: test method, porcine, DNA, food, food products, PCR

© Copyright 2017

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

Contents

	Page
Committee representation	ii
Foreword	iii
1 Scope	1
2 Terms and definitions	1
3 Abbreviations	3
4 Principle of methods	3
5 Chemicals, reagents and materials	3
6 Preparation of reagents	5
7 Sampling and preparation of test samples	9
8 Operating procedure	9
9 Expression of results	12
10 Reporting	12
11 In-house method validation	12
12 Safety and health precautions	12
Bibliography.....	13

MS 2627:2017

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

Universiti Malaya

Universiti Sains Malaysia

The Working Group on Test Method for the Detection of Porcine DNA in Food and Food products which developed this Malaysian Standard consists of representatives from the following organisations:

ALS Technichem (M) Sdn Bhd

Cawangan Makmal, Program Keselamatan dan Kualiti Makanan, Kementerian Kesihatan Malaysia

Department of Chemistry Malaysia

Department of Standards Malaysia

Federation of Malaysian Manufacturers

Halal Products Research Institute, Universiti Putra Malaysia

Jabatan Kemajuan Islam Malaysia (JAKIM)

Makmal Kesihatan Awam Kebangsaan, Bahagian Kawalan Penyakit, Kementerian Kesihatan Malaysia

Malaysian Institute of Chemistry (Secretariat)

Nestlé Malaysia Berhad

Permulab Sdn Bhd

TPM Biotech Sdn Bhd

Co-opted member:

Faculty of Food Science and Technology, Universiti Putra Malaysia

Foreword

This Malaysian Standard was developed by the Working Group on Test Method for the Detection of Porcine DNA in Food and Food Products under the authority of the Industry Standards Committee on Chemicals and Materials.

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