# MALAYSIAN STANDARD

MS 466-6:2024

# Natural rubber field latex – Part 6: Determination of nitrogen content

**ICS: 83.040.10**

Descriptors: rubber, sampling, testing, natural rubber, natural rubber field latex, nitrogen content

**© Copyright 2024**

**DEPARTMENT OF STANDARDS MALAYSIA**

Preview Only

# DEVELOPMENT OF MALAYSIAN STANDARDS

The **Department of Standards Malaysia** is the national standards and accreditation body of Malaysia.

The main function of the Department 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, benefitting 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. 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.

Malaysian Standards are developed through consensus by committees which comprise balanced representation of producers, users, consumers and others with relevant interests, as may be appropriate to the subject at hand. The development of a standard as a Malaysian Standard is governed by the Standards of Malaysia Act 1996 [Act 549]. Section 18A of the act stipulated that, all Malaysian Standards are owned by the Government of Malaysia and no part of a Malaysian Standard can be reproduced in any form without the written permission of the Director General.

For further information on Malaysian Standards, please contact:

**Department of Standards Malaysia**
Level 4 – 7, Tower 2, Menara Cyber Axis
Jalan Impact, Cyber 6
63000 Cyberjaya
Selangor Darul Ehsan
MALAYSIA

Tel: 60 3 8008 2900
Fax: 60 3 8008 2901
http://www.jsm.gov.my
E-mail: central@jsm.gov.my

Preview Only

**Contents**

**Page**

Committee representation ..... ii

Foreword ..... iii

1 Scope ..... 1

2 Normative references ..... 1

3 Terms and definitions ..... 1

4 Principle ..... 2

5 Apparatus ..... 2

6 Reagent ..... 2

7 Procedure ..... 4

8 Expression of results ..... 8

9 Precision ..... 8

10 Test report ..... 8

Annex A ..... 9

Bibliography ..... 11

Preview Only

© DEPARTMENT OF STANDARDS MALAYSIA 2024 – All rights reserved

## Committee representation

The National Standards Committee on Rubber and Rubber Products (NSC 14) under whose authority this Malaysian Standard was developed, comprises representatives from the following organisations:

Department of Standards Malaysia (Secretariat)
Institute of Materials Malaysia
Malaysian Rubber Board
Malaysian Rubber Council
Malaysian Rubber Glove Manufacturers' Association
Malaysian Rubber Products Manufacturers' Association
Ministry of Investment, Trade and Industry
The Plastics and Rubber Institute of Malaysia
Universiti Kuala Lumpur
Universiti Sains Malaysia
Universiti Teknologi MARA

The Technical Committee on Raw Materials and Chemical Tests (NSC 14/TC 3) which developed this Malaysian Standard consists of representatives from the following organisations:

Akademi Sains Malaysia
Department of Standards Malaysia (Secretariat)
Continental Tyre Technology Centre (M) Sdn Bhd
Kuala Lumpur Kepong Berhad
Kuala Lumpur Kepong Rubber Product
Malaysian Rubber Board
MAPA Gloves Sdn Bhd
Scientica Solutions Sdn Bhd
Universiti Teknologi MARA

Preview Only


© DEPARTMENT OF STANDARDS MALAYSIA 2024 – All rights reserved

## Foreword

This Malaysian Standard was developed by the Technical Committee on Raw Materials and Chemical Tests (NSC 14/TC 3) under the authority of the National Standards Committee on Rubber and Rubber Products (NSC 14).

This first edition of MS 466-6 cancels and replaces MS 466:1987, which has been technically revised.

MS 466 consists of the following parts, under the general title *Natural rubber field latex*:

*Part 1: Methods of sampling*

*Part 2: Determination of total solids content*

*Part 3: Determination of dry rubber content*

*Part 4: Determination of alkalinity*

*Part 5: Determination of volatile fatty acid number*

*Part 6: Determination of nitrogen content*

*Part 7: Determination of soluble magnesium content by titration*

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

Preview Only

© DEPARTMENT OF STANDARDS MALAYSIA 2024 – All rights reserved