



MALAYSIAN STANDARD

MS ISO 5993:2003

SODIUM HYDROXIDE FOR INDUSTRIAL USE – DETERMINATION OF MERCURY CONTENT – FLAMELESS ATOMIC ABSORPTION SPECTROMETRIC METHOD (ISO 5993:1979, IDT)

ICS: 71.100.35

Descriptors: sodium hydroxide, chemical analysis, determination of content, mercury, spectrophotometric analysis, atomic absorption spectroscopic analysis

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Committee representation

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

Department of Mineral and Geoscience
Department of Standards Malaysia
Federation of Malaysian Manufacturers
Institut Kimia Malaysia
Malaysian Ceramic Industry Group
Malaysian Paint Manufacturers Association
Malaysian Pulp and Paper Manufacturers Association
Malaysian Textile Manufacturers Association
Ministry of Agriculture (Department of Agriculture)
Ministry of Defence (Defence Science and Technology Centre)
Ministry of Science, Technology and the Environment (Department of Chemistry, Malaysia)
Universiti Malaya
Universiti Sains Malaysia

The Technical Committee on Water Treatment Chemicals which developed this Malaysian Standard, consists of representatives from the following organisations:

Bintang Baku Sdn Bhd
CCM Watercare
Department of Chemistry, Malaysia
Jabatan Bekalan Air Negeri Sembilan
Jabatan Kerja Raya
Lembaga Air Perak
Malaya Acid Works Bhd
Malaysian Water Association
Ministry of Health, Malaysia
See Sen Chemical Berhad
SIRIM Berhad (Secretariat)
SIRIM QAS Sdn Bhd (Chemical Testing Section)
SIRIM QAS Sdn Bhd (Product Certification Unit)
Universiti Kebangsaan Malaysia

NATIONAL FOREWORD

This Malaysian Standard was developed by the Technical Committee on Water Treatment Chemicals, under the authority of the Chemical and Materials Industry Standards Committee.

This Malaysian Standard is identical with ISO 5993: 1979, Sodium hydroxide for industrial use – Determination of mercury content – Flameless atomic absorption spectrometric method published by the International Organization for Standardization (ISO), which has the same title. The text of the International Standard is recommended for publication as a Malaysian Standard without deviation. However, for the purpose of this Malaysian Standard, the following apply:

- a) in the source text, "this International Standard" should read "this Malaysian Standard"; and
- b) the comma which is used as a decimal sign (if any), to read as a full point.

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, wording and presentation of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21.

International Standard



5993

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Sodium hydroxide for industrial use — Determination of mercury content — Flameless atomic absorption spectrometric method

Hydroxyde de sodium à usage industriel — Dosage du mercure — Méthode par spectrométrie d'absorption atomique sans flamme

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 5993 was developed by Technical Committee ISO/TC 47, *Chemistry*, and was circulated to the member bodies in September 1977.

It has been approved by the member bodies of the following countries :

Australia	Hungary	Philippines
Austria	India	Poland
Belgium	Israel	Romania
Bulgaria	Italy	South Africa, Rep. of
Chile	Kenya	Switzerland
Czechoslovakia	Korea, Rep. of	Turkey
Egypt, Arab Rep. of	Mexico	United Kingdom
France	Netherlands	USSR
Germany, F. R.	New Zealand	Yugoslavia

No member body expressed disapproval of the document.

This International Standard has also been approved by the International Union of Pure and Applied Chemistry (IUPAC).