

Methods of sampling and test for halogenated hydrocarbons —

Part 7: Methods of test for methyl chloride and ethyl chloride

[ISO title: Methyl chloride and ethyl chloride for industrial use —
Methods of test]

UDC 661.723:547.411:[661.723.21 – 13 + 661.723.611 – 13]

Cooperating organizations

The Chemicals Standards Committee, under whose direction this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations:

- Association of Fatty Acid Distillers
- British Tar Industry Association
- Chemical Industries Association*
- Chemical Society, Analytical Division
- Department of Health and Social Security
- Department of Industry (Laboratory of the Government Chemist)
- Fertiliser Manufacturers' Association Ltd.
- Hydrocarbon Solvents Association
- Ministry of Agriculture, Fisheries and Food
- Ministry of Defence*
- National Sulphuric Acid Association
- Paintmakers' Association of Great Britain Ltd.
- Royal Institute of Public Health and Hygiene
- Soap and Detergent Industry Association
- Standardization of Tar Products Tests Committee

The organizations marked with an asterisk in the above list, together with the following, were directly represented on the committee entrusted with the preparation of this British Standard:

- British Plastics Federation
- Fabric Car Research Association
- Fire Extinguishing Trades Association
- Institute of Metal Finishing
- Institute of Refrigeration
- Oil and Colour Chemists' Association
- Pharmaceutical Society of Great Britain
- Royal Institute of Chemistry
- Society of Chemical Industry
- Individual experts

This British Standard, having been prepared under the direction of the Chemicals Standards Committee, was published under the authority of the Executive Board and comes into effect on 31 March 1980

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The following BSI references relate to the work on this standard:
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Amendments issued since publication

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National foreword

This British Standard has been prepared under the direction of the Chemicals Standards Committee in order to provide methods of sampling and test for halogenated hydrocarbons.

For some years the United Kingdom has participated in the work of preparing methods of sampling and test applicable to halogenated hydrocarbons for industrial use organized by Subcommittee 12, Halogenated hydrocarbons and amines, of Technical Committee 47, Chemistry, of the International Organization for Standardization (ISO). As international agreement is reached on the methods, they are being published as Parts of this British Standard.

Parts 1 to 6 and Part 8, listed below, have already been published.

- *Part 1: Sampling liquid products, identical with ISO 2209;*
- *Part 2: Sampling of liquefied gases, identical with ISO 3427;*
- *Part 3: Determination of residue on evaporation, identical with ISO 2210;*
- *Part 4: Determination of acidity — Titrimetric method, identical with ISO 1393;*
- *Part 5: Determination of cloud point, identical with ISO 1394;*
- *Part 6: Determination of acidity of fluorochlorinated hydrocarbons, identical with ISO 3363;*
- *Part 8: Determination of non-volatile residue in fluorinated hydrocarbons, identical with ISO 5789.*

This Part 7 is identical with ISO 5787 “Methyl chloride and ethyl chloride for industrial use — Methods of test”.

Terminology and conventions. The text of the International Standard has been approved as suitable for publication, without deviation, as a British Standard. Some terminology and certain conventions are not identical with those used in British Standards; attention is especially drawn to the following.

The comma has been used throughout as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

Wherever the words “International Standard” appear, referring to this standard, they should be read as “British Standard”.

Cross-references

International Standard	Corresponding British Standard
ISO 760:1978	BS 2511:1970 <i>Methods of test for the determination of water (Karl Fischer method)</i> (Related, see note below)
ISO 2210:1972	BS 5598 <i>Methods of sampling and test for halogenated hydrocarbons</i> Part 3:1979 <i>Determination of residue on evaporation</i> (Identical)
ISO 3427:1976	Part 2:1979 <i>Sampling of liquefied gases</i> (Identical)

NOTE The relationship between the references in the text to specific clauses of ISO 760 and the corresponding clauses of BS 2511 is as follows:

BS 5598-7, clause no.	ISO 760:1978, clause no.	BS 2511:1970, clause no.
5.2	7	3
5.2 and 5.5	8	2
5.3	4	2.3
5.4	5.1 and Annex B	3
5.5.2.2	7.2.1.2	3.4.2
5.5.2.2	8.2.1.2	2.5.2

Additional information

Water Water used for the preparation of the distilled water neutral to bromocresol green (3.3.1) and the sodium hydroxide solution (3.3.2) is specified in BS 3978, “*Water for laboratory use*”.

Ethanol The ethanol used in this determination (3.3.3) may be replaced for these purposes by industrial methylated spirits 66 degrees O.P., complying with the requirements of BS 3591. It should be noted that the use of industrial methylated spirits is governed by The Methylated Spirits Regulations, 1952 (S.I. 1952, No. 2230). It is not permissible to use duty-free ethanol, received under the provisions of the Customs and Excise Act, 1952, Section III, for purposes for which industrial methylated spirits is an acceptable alternative to ethanol.

This standard specifies a method of test only and should not be referred to as a specification defining limits of purity. Reference to the standard should indicate that the method of test used complies with the requirements of BS 5598-7.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.