

Natural gas — Determination of sulfur compounds —

Part 5: Lingener combustion method

ICS 75.060

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee PTI/15, Natural gas and gas analysis upon which the following bodies were represented:

- AEA Technology
- British Coal Corporation
- British Compressed Gases Association
- British Gas plc
- British Glass Manufacturers' Confederation
- Chemical Industries Association
- Department of Trade and Industry (Gas and Oil Measurement Branch)
- Department of Trade and Industry (National Physical Laboratory)
- Institute of Petroleum
- Institution of Gas Engineers
- Sira Limited
- Society of Chemical Industry
- Society of Glass Technology

This British Standard, having been prepared under the direction of the Materials and Chemicals Sector Board (I/-), was published under the authority of the Standards Board and comes into effect on 15 December 1994

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The following BSI references relate to the work on this standard:
Committee reference PTI/15
Special announcement in *BSI News*, September 1994

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Amendments issued since publication

Amd. No.	Date	Comments
9992	June 1998	New front cover and addition of European title page and foreword, and consequent changes to national foreword.

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National foreword

This British Standard has been prepared by Technical Committee PTI/15 and is the English language version of EN ISO 6326-5:1997 *Natural gas — Determination of sulfur compounds — Part 5: Lingener combustion method*, published by the European Committee for Standardization (CEN). It is identical with ISO 6326-5:1989, published by the International Organization for Standardization (ISO). ISO 6326-5 was prepared by Technical Committee 158, Analysis of gases, in which the United Kingdom participated.

BS EN ISO 6326-5 retains the secondary identifier BS 3156-11.4.5, so that it remains cross-referenced within the BS 3156 series of standards. Each Subsection of Section 11.4 of BS 3156 is identical with the corresponding Part of ISO 6326, and Section 11.4 of BS 3156 consists of the following Subsections:

Subsection 11.4.1	<i>Introduction</i>
Subsection 11.4.2	<i>Odoriferous sulfur compounds by gas chromatography using an electrochemical detector</i>
Subsection 11.4.3 (BS EN ISO 6326-3)	<i>Hydrogen sulfide, mercaptan sulfur, and carbonyl sulfide sulfur by potentiometry</i>
Subsection 11.4.4	<i>Hydrogen sulfide, carbonyl sulfide and sulfur-containing odorants by gas chromatography using a flame photometric detector</i>
Subsection 11.4.5 (BS EN ISO 6326-5)	<i>Lingener combustion method</i>

In the United Kingdom the preferred method is that given in Subsection 11.4.4 of BS 3156. The flame photometric detector is available from most manufacturers of chromatographs, both laboratory and process units, and is applicable to any sulfur compound. By contrast, the electrochemical detector is available from a single supplier and is operated under completely different conditions, in order to measure carbonyl sulfide to those used for all other sulfur compounds.

Cross-reference

Publication referred to	Corresponding British Standard
ISO 1042:1983	BS 1792:1982 <i>Specification for one-mark volumetric flasks</i>

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN ISO title page, pages 2 to 14, 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.

ICS 75.060

Descriptors: Natural gas, gas analysis, determination of content, sulfur, combustion analysis

English version

Natural gas — Determination of sulfur compounds — Part 5: Lingener combustion method

(ISO 6326-5:1989)

Gaz naturel — Détermination des composés
soufrés —
Partie 5: Méthode de combustion Lingener
(ISO 6326-5:1989)

Erdgas — Bestimmung von
Schwefelverbindungen — Teil 5: Verbrennung
nach dem Lingener-Verfahren
(ISO 6326-5:1989)

This European Standard was approved by CEN on 6 November 1997.

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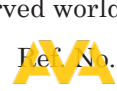
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Comité Européen de Normalisation
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Central Secretariat: rue de Stassart 36, B-1050 Brussels

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Foreword

The text of the International Standard from Technical Committee ISO/TC 193, Natural gas, of the International Organization for Standardization (ISO) has been taken over as a European Standard by CEN/CS.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 1998, and conflicting national standards shall be withdrawn at the latest by June 1998.

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