

STN	Ropný priemysel a ropné výrobky Stanovenie zloženia rafinérskych vykurovacích plynov a výpočet obsahu uhlíka a výhrevnosti Metóda plynovej chromatografie	STN EN 15984 65 6055
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Petroleum industry and products - Determination of composition of refinery heating gas and calculation of carbon content and calorific value
- Gas chromatography method

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 02/18

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EUROPEAN STANDARD
NORME EUROPÉENNE
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EN 15984

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English Version

**Petroleum industry and products - Determination of
composition of refinery heating gas and calculation of
carbon content and calorific value - Gas chromatography
method**

Industries et produits pétroliers - Détermination de la
composition des gaz combustibles de raffinerie, de leur
pouvoir calorifique et de leur teneur en carbone -
Méthode par chromatographie en phase gazeuse

Mineralölindustrie und -produkte - Bestimmung der
Zusammensetzung von Heizgas für Raffinerien und
Berechnung des Kohlenstoffgehaltes und des
Heizwertes - Gaschromatographisches Verfahren

This European Standard was approved by CEN on 19 June 2017.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN 15984:2017) has been prepared by Technical Committee CEN/TC 19 “Gaseous and liquid fuels, lubricants and related products of petroleum, synthetic and biological origin”, the secretariat of which is held by NEN.

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 February 2018, and conflicting national standards shall be withdrawn at the latest by February 2018.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 15984:2011.

In this revision only the precision values have been updated to reflect the realistic values found in five consecutive interlaboratory studies performed by the DIN/FAM over the years 2009 to 2014. These pooled precision statements were calculated and approved by CEN/TC 19/WG 36.

This document is based on a DIN Standard [3] with the same scope.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard specifies a gas chromatographic analysis for the determination of the composition of fuel gases, as used in refinery heating gas. These results are used to calculate the carbon content and the lower calorific value.

With this gas chromatographic analysis, an overall of 23 refinery heating gas components are determined in concentrations as typically found in refineries (see Table 1 for further details).

Water is not analysed. The results represent dry gases.

NOTE 1 Depending on the equipment used, there is a possibility to determine higher hydrocarbons as well.

NOTE 2 For the purposes of this European Standard, the terms “% (V/V)” is used to represent the volume fraction (φ).

WARNING — The use of this standard can involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. It is the responsibility of users of this standard to take appropriate measures to ensure the safety and health of personnel prior to application of the document, and fulfil statutory and regulatory requirements for this purpose.

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