

Gas analysis - Requirements for certificates for calibration gases and gas mixtures

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calibration gases and gas mixtures

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 6141:2006 sisaldab Euroopa standardi EN ISO 6141:2006 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 20.09.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 6141:2006 consists of the English text of the European standard EN ISO 6141:2006.</p> <p>This document is endorsed on 20.09.2006 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This International Standard specifies requirements for certificates for pure gases and for certificates for homogeneous gas mixtures to be used as calibration gases. This International Standard specifies the minimum information (mandatory data) required and additional information (optional data) recommended for characterizing a pure gas, or a homogeneous gas mixture, supplied under pressure in a cylinder or other container. This International Standard does not cover the field of safety-relevant data and related labelling.</p>	<p>Scope:</p> <p>This International Standard specifies requirements for certificates for pure gases and for certificates for homogeneous gas mixtures to be used as calibration gases. This International Standard specifies the minimum information (mandatory data) required and additional information (optional data) recommended for characterizing a pure gas, or a homogeneous gas mixture, supplied under pressure in a cylinder or other container. This International Standard does not cover the field of safety-relevant data and related labelling.</p>
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ICS 71.040.40

Võtmesõnad:

ICS 71.040.40

English Version

Gas analysis - Requirements for certificates for calibration gases
and gas mixtures (ISO 6141:2000)

Analyse des gaz - Prescriptions relatives aux certificats de
gaz et mélanges de gaz pour étalonnage (ISO 6141:2000)

Gasanalyse - Anforderungen an Zertifikate für
Kalibriergases und Kalibriergasgemische (ISO 6141:2000)

This European Standard was approved by CEN on 21 July 2006.

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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 Central Secretariat has the same status as the official versions.

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Foreword

The text of ISO 6141:2000 has been prepared by Technical Committee ISO/TC 158 "Analysis of gases" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 6141:2006 by Technical Committee CEN/SS N21 "Gaseous fuels and combustible gas", the secretariat of which is held by CMC.

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 2007, and conflicting national standards shall be withdrawn at the latest by February 2007.

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

Endorsement notice

The text of ISO 6141:2000 has been approved by CEN as EN ISO 6141:2006 without any modifications.

**Gas analysis — Requirements for
certificates for calibration gases and gas
mixtures**

*Analyse des gaz — Prescriptions relatives aux certificats de gaz et
mélanges de gaz pour étalonnage*



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

International Standard ISO 6141 was prepared by Technical Committee ISO/TC 158, *Analysis of gases*.

This third edition cancels and replaces the second edition (ISO 6141:1984), which has been technically revised.

Gas analysis — Requirements for certificates for calibration gases and gas mixtures

1 Scope

This International Standard specifies requirements for certificates for pure gases and for certificates for homogeneous gas mixtures to be used as calibration gases.

This International Standard specifies the minimum information (mandatory data) required and additional information (optional data) recommended for characterizing a pure gas, or a homogeneous gas mixture, supplied under pressure in a cylinder or other container. This International Standard does not cover the field of safety-relevant data and related labelling.

Two different formats are considered for the information specified by this International Standard:

- a certificate, i.e., a document uniquely related to the container; and
- a certificate extract, i.e., a document affixed to the container.

2 Terms and definitions

For the purposes of this International Standard, the following terms and definitions apply.

2.1

supplier

organization that has supplied the gas or gas mixture

2.2

customer

organization that has ordered the gas or gas mixture

2.3

container

vessel in which the gas or gas mixture is supplied

2.4

composition

property of a gas or a gas mixture given by the identity and the content of each specified component

2.5

component

chemical substance contained in the gas or gas mixture

2.6

specified component

component whose content is specified quantitatively in the certificate

NOTE In general, the content of the complementary gas is not specified explicitly.

2.7

impurity

component present, but not wanted