



SLOVENSKI STANDARD

SIST EN ISO 6141:2006

01-november-2006

Analiza plinov - Zahteve, ki temeljijo na certifikatih za pline in plinske zmesi (ISO 6141:2000)

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

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

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

Ta slovenski standard je istoveten z: EN ISO 6141:2006

ICS:

71.040.40	Kemijska analiza	Chemical analysis
-----------	------------------	-------------------

SIST EN ISO 6141:2006

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 6141:2006

<https://standards.iteh.ai/catalog/standards/sist/365f2984-b7be-4f3e-99e6-4d731b967d13/sist-en-iso-6141-2006>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 6141

August 2006

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.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of 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.

[SIST EN ISO 6141:2006](https://standards.iteh.ai/catalog/standards/sist/365f2984-b7be-4f3e-99e6-4d731b967d13/sist-en-iso-6141-2006)

<https://standards.iteh.ai/catalog/standards/sist/365f2984-b7be-4f3e-99e6-4d731b967d13/sist-en-iso-6141-2006>



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 6141:2006 (E)**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.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 6141:2006](https://standards.iteh.ai/catalog/standards/sist/365f2984-b7be-4f3e-99e6-4d731b967d13/sist-en-iso-6141-2006)

<https://standards.iteh.ai/catalog/standards/sist/365f2984-b7be-4f3e-99e6-4d731b967d13/sist-en-iso-6141-2006>

INTERNATIONAL STANDARD

**ISO
6141**

Third edition
2000-05-01

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*

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 6141:2006](https://standards.iteh.ai/catalog/standards/sist/365f2984-b7be-4f3e-99e6-4d731b967d13/sist-en-iso-6141-2006)

[https://standards.iteh.ai/catalog/standards/sist/365f2984-b7be-4f3e-99e6-
4d731b967d13/sist-en-iso-6141-2006](https://standards.iteh.ai/catalog/standards/sist/365f2984-b7be-4f3e-99e6-4d731b967d13/sist-en-iso-6141-2006)



Reference number
ISO 6141:2000(E)

© ISO 2000

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 6141:2006](https://standards.iteh.ai/catalog/standards/sist/365f2984-b7be-4f3e-99e6-4d731b967d13/sist-en-iso-6141-2006)

<https://standards.iteh.ai/catalog/standards/sist/365f2984-b7be-4f3e-99e6-4d731b967d13/sist-en-iso-6141-2006>

© ISO 2000

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 734 10 79
E-mail copyright@iso.ch
Web www.iso.ch

Printed in Switzerland

Contents

	Page
1 Scope	1
2 Terms and definitions	1
3 Requirements for certificates and certificate extracts	2
3.1 General	2
3.2 Stated information	2
3.3 Gas mixture specification	4
3.4 Pure gas specification	5
3.5 Additional product information	7
Bibliography.....	8

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 6141:2006

<https://standards.iteh.ai/catalog/standards/sist/365f2984-b7be-4f3e-99e6-4d731b967d13/sist-en-iso-6141-2006>

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.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 6141:2006

<https://standards.iteh.ai/catalog/standards/sist/365f2984-b7be-4f3e-99e6-4d731b967d13/sist-en-iso-6141-2006>

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