

STN	Analýza plynov. Obsah certifikátov kalibračných plyných zmesí (ISO 6141: 2015).	STN EN ISO 6141
		38 5610

Gas analysis - Contents of certificates for calibration gas mixtures (ISO 6141:2015)

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. 07/15

Obsahuje: EN ISO 6141:2015, ISO 6141:2015

Oznámením tejto normy sa ruší
STN EN ISO 6141 (38 5610) z júna 2003

120947

Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, 2015
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy
rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

English Version

Gas analysis - Contents of certificates for calibration gas mixtures (ISO 6141:2015)

Analyse des gaz - Contenu des certificats des mélanges de gaz pour étalonnage (ISO 6141:2015)

Gasanalyse - Inhalte von Zertifikaten für Kalibriergasgemische (ISO 6141:2015)

This European Standard was approved by CEN on 26 December 2014.

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.

CEN members are the national standards bodies of 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

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

Contents

Page

Foreword.....**3**

Foreword

This document (EN ISO 6141:2015) has been prepared by Technical Committee ISO/TC 158 "Analysis of gases".

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 September 2015, and conflicting national standards shall be withdrawn at the latest by September 2015.

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

This document supersedes EN ISO 6141:2006.

According to the CEN-CENELEC Internal Regulations, the national standards organizations 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 6141:2015 has been approved by CEN as EN ISO 6141:2015 without any modification.

Gas analysis — Contents of certificates for calibration gas mixtures

*Analyse des gaz — Contenu des certificats des mélanges de gaz
pour étalonnage*





COPYRIGHT PROTECTED DOCUMENT

© ISO 2015

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested 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 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Contents	1
4.1 Specification of certificate data	1
4.2 General information	2
4.2.1 Title of the document.....	2
4.2.2 Unique certificate identification.....	2
4.2.3 Container identification.....	2
4.2.4 Producer.....	2
4.2.5 Customer (optional).....	3
4.2.6 Nominal composition (optional).....	3
4.2.7 Authorization date.....	3
4.2.8 Responsible person	3
4.2.9 Number of pages and page numbering	3
4.2.10 Intended use	3
4.2.11 Safety information.....	3
4.3 Gas or gas mixture specification	3
4.3.1 Specified components	3
4.3.2 Composition.....	3
4.3.3 Standard uncertainty	4
4.3.4 Expanded uncertainty.....	4
4.3.5 References/metrological traceability	4
4.3.6 Method of preparation.....	4
4.3.7 Filling pressure.....	4
4.3.8 Method of analysis.....	4
4.3.9 Date of preparation.....	4
4.3.10 Minimum utilization pressure.....	4
4.3.11 Expiry date	5
4.3.12 Date of analysis (optional)	5
4.3.13 Commercial name (optional)	5
4.4 Additional product information	5
4.4.1 Container volume.....	5
4.4.2 Filling quantity (optional)	5
4.4.3 Valve outlet connection.....	5
4.4.4 Storage/utilization temperature.....	5
4.4.5 Indicative values (optional).....	5
Annex A (informative) Cross-references to ISO Guide 31 and ISO/IEC 17025	6
Bibliography	7

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 158, *Analysis of gases*.

This fourth edition cancels and replaces the third edition (ISO 6141:2000), which has been technically revised to align it with ISO Guide 31^[3].

Gas analysis — Contents of certificates for calibration gas mixtures

1 Scope

This International Standard specifies minimum requirements for the contents of certificates for homogeneous gas mixtures in gas cylinders to be used as calibration gas mixtures. Pure gases, when used as calibration gas mixtures, are also covered by this International Standard. Gases and gas mixtures produced for other purposes are not considered.

The requirements in this International Standard deal with the metrological aspects of calibration gas mixtures. Other aspects, such as safety and legislative aspects, are not covered.

Furthermore, it specifies additional information (optional data) recommended for describing a homogeneous gas mixture, supplied under pressure in a cylinder or other container. It does not cover the field of safety-relevant data and related labelling.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC Guide 98-3, *Uncertainty of measurement — Part 3: Guide to the expression of uncertainty in measurement (GUM:1995)*

ISO 7504, *Gas analysis — Vocabulary*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN