



BSI Standards Publication

Gas analysis – Contents of certificates for calibration gas mixtures

National foreword

This British Standard is the UK implementation of EN ISO 6141:2015+A1:2020. It is identical to ISO 6141:2015+A1:2020, incorporating amendment 1:2020. It supersedes BS EN ISO 6141:2015, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to ISO text carry the number of the ISO amendment. For example, text altered by ISO amendment A1 is indicated by A1 A1.

The UK participation in its preparation was entrusted to Technical Committee PTI/15, Natural Gas and Gas Analysis.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2020
Published by BSI Standards Limited 2020

ISBN 978 0 580 52340 3

ICS 71.040.40

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 March 2015.

Amendments/corrigenda issued since publication

Date	Text affected
31 March 2020	Implementation of ISO amendment A1:2020 with CEN endorsement A1:2020

English Version

Gas analysis - Contents of certificates for calibration
gas mixtures - Amendment 1: Cross reference list
to ISO Guide 31:2015 and ISO/IEC 17025:2017 (ISO
6141:2015/Amd 1:2020)

Analyse des gaz - Contenu des certificats
des mélanges de gaz pour étalonnage -
Amendement 1: Liste des références croisées
avec le Guide 31:2015 de l'ISO et l'ISO/IEC
17025:2017 (ISO 6141:2015/Amd 1:2020)

Gasanalyse - Inhalte von Zertifikaten
für Kalibriergasgemische - Änderung 1:
Querverweisliste zum ISO Guide 31:2015 und ISO/
IEC 17025:2017 (ISO 6141:2015/Amd 1:2020)

This amendment A1 modifies the European Standard EN ISO 6141:2015; it was approved by CEN on 27 January 2020.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant 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 amendment 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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, 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: Rue de la Science 23, B-1040 Brussels

European 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.

Foreword to amendment A1

This document (EN ISO 6141:2015/A1:2020) has been prepared by Technical Committee ISO/TC 158 "Analysis of gases" in collaboration with CCMC.

This Amendment to the European Standard EN ISO 6141:2015 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by August 2020, and conflicting national standards shall be withdrawn at the latest by August 2020.

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.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 6141:2015/Amd 1:2020 has been approved by CEN as EN ISO 6141:2015/A1:2020 without any modification.

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)	2
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	3
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	4
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