

INTERNATIONAL STANDARD

ISO
14111

First edition
1997-03-15

Natural gas — Guidelines to traceability in analysis

Gaz naturel — Lignes directrices pour la traçabilité en analyse



Reference number
ISO 14111:1997(E)

Contents

Page

1	Scope	1
2	Normative references	1
3	Definitions	2
4	Fundamental principles of metrological traceability	4
5	Elaboration of the traceability concept	6
6	Chemical composition and the SI system	7
7	Traceability in natural-gas analysis	10
8	Hierarchy of reference gas mixtures	13
9	Role of traceability in uncertainty assessment	16
10	Implementation of traceability in International Standards for natural-gas analysis	17
11	Examples	19
12	Summary	21

Annexes

A	Supplementary terms and definitions	23
B	Example of typical interlaboratory test results	26
C	Bibliography	28

© ISO 1997

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 the publisher.

International Organization for Standardization

Case postale 56 • CH-1211 Genève 20 • Switzerland

Internet: central@iso.ch

X.400: c=ch; a=400net; p=iso; o=isocs; s=central

Printed in Switzerland