

INTERNATIONAL STANDARD

ISO 8245

Second edition
1999-03-01

Water quality — Guidelines for the determination of total organic carbon (TOC) and dissolved organic carbon (DOC)

*Qualité de l'eau — Lignes directrices pour le dosage du carbone organique
total (COT) et carbone organique dissous (COD)*



Reference number
ISO 8245:1999(E)

Contents

1 Scope	1
2 Normative reference	1
3 Terms and definitions	1
4 Principle	2
5 Reagents	2
6 Apparatus	4
7 Sampling and samples	4
7.1 Sampling	4
7.2 Preparation of the water sample	4
8 Procedure	5
8.1 Calibration	5
8.2 Control procedures	5
8.3 Determination	5
9 Expression of results	6
9.1 Method of calculation	6
9.2 Precision	6
10 Test report	7
Annex A (informative) Results of an interlaboratory trial for TOC determination	8
Annex B (informative) TOC determination for samples containing particles	9
Bibliography	11

© ISO 1999

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 iso@iso.ch

Printed in Switzerland

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.

International Standard ISO 8245 was prepared by Technical Committee ISO/TC 147, *Water quality*, Subcommittee SC 2, *Physical, chemical and biochemical methods*.

This second edition cancels and replaces the first edition (ISO 8245:1987) which has been technically revised.

Annexes A and B of this International Standard are for information only.