INTERNATIONAL STANDARD

ISO 10304-1

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Water quality — Determination of dissolved fluoride, chloride, nitrite, orthophosphate, bromide, nitrate and sulfate ions, using liquid chromatography of ions —

Part 1:
Method for water with low contamination

Qualité de l'eau — Dosage des ions fluorure, chlorure, nitrite, orthophosphate, bromure, nitrate et sulfate dissous, par chromatographie des ions en phase liquide —

Partie 1: Méthode applicable pour les eaux faiblement contaminées

Reference number
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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.

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 10304-1 was prepared by Technical Committee ISO/TC 147, *Water quality*, Sub-Committee SC 2, *Physical, chemical, biochemical methods.*

ISO 10304 consists of the following parts, under the general title *Water quality — Determination of dissolved fluoride, chloride, nitrite, orthophosphate, bromide, nitrate and sulfate ions, using liquid chromatography of ions*:

— *Part 1: Method for water with low contamination*

— *Part 2: Method for waste water*

— *Part 3: Determination of chromate, thiocyanate and thiosulfate*

Annex A of this part of ISO 10304 is for information only.

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Introduction

Many different ion-exchange chromatography systems can be considered. It is therefore not appropriate to indicate the type of column, mobile phase, detector type etc. that is to be used. Thus detailed information is not given at any stage during the method, although guidance is provided. However, the quality parameters which should be met by the chromatography conditions chosen are defined.