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## **Water quality — Determination of total organic carbon (TOC), dissolved organic carbon (DOC), total bound nitrogen (TN<sub>b</sub>) and dissolved bound nitrogen (DN<sub>b</sub>) after high temperature catalytic oxidative combustion**

*Qualité de l'eau — Dosage du carbone organique total (COT), carbone organique (COD), azote lié total (TN<sub>b</sub>) et azote lié dissous (DN<sub>b</sub>) après combustion oxidatif catalytique à haute température*



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## Foreword

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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](http://www.iso.org/directives)).

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## Introduction

Total organic carbon (TOC), dissolved organic carbon (DOC), total bound nitrogen (TN<sub>b</sub>) and dissolved bound nitrogen (DN<sub>b</sub>) are an analytical convention, the respective result of which is a parameter used for water quality control purposes. These parameters represent the sum of organically bound carbon as well as the sum of inorganic and organic nitrogen (but not nitrogen gas), which can be dissolved in water or bonded to dissolved or suspended matter under specified conditions and, if the sample is not filtered, includes that associated with suspended matter. It does not give information on the nature of the substances.

Details of an interlaboratory trial on the performance data for TOC or DOC and TN<sub>b</sub> or DN<sub>b</sub> are given in [Annex B](#).