

INTERNATIONAL STANDARD

ISO
10260

First edition
1992-07-15

Water quality — Measurement of biochemical parameters — Spectrometric determination of the chlorophyll-a concentration

*Qualité de l'eau — Mesurage des paramètres biochimiques — Dosage
spectrométrique de la chlorophylle a*



Reference number
ISO 10260:1992(E)

Foreword

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International Standard ISO 10260 was prepared by Technical Committee ISO/TC 147, *Water quality*, Sub-Committee SC 2, *Physical, chemical, biochemical methods*.

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

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International Organization for Standardization
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

Introduction

Chlorophyll-a is the essential photosynthetic pigment present in all green plants. The chlorophyll content of a surface water is an indicator of its trophic state. The determination of the chlorophyll-a concentration provides information concerning the quantity and potential photosynthetic activity of algae. The most important metabolites of chlorophylls are phaeophytines and phaeophorbide. The ratio of chlorophyll to phaeopigments is indicative of the physiological state of the algae.