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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 12763.4-2007

Replacing GB/T 12763.4-1991

**Specifications for oceanographic survey - Part 4: Survey of
chemical parameters in sea water**

海洋调查规范 第4部分: 海水化学要素调查

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Foreword

GB/T 12763 "oceanographic survey" is divided into 11 parts.

- Part 1. General;
- Part 2. oceanographic observations;
- Part 3. Marine meteorological observations;
- Part 4. Marine Chemistry Elements investigation;
- Part 5. Ocean Sound, light elements investigation;
- Part 6. Marine Biological Survey;
- Part 7. Marine survey data exchange;
- Part 8. Marine Geological Geophysical Survey;
- Part 9. Marine Ecological Survey Guidelines;
- Part 10. seabed topography survey;
- Part 11. Marine Engineering Geological Survey. Wherein Section 9, Section 10 and Section 11 corresponds to GB/T 12763-1991 is a new section. This section GB/T Part of 412,763. This Part replaces GB/T 12763.4-1991 "oceanographic survey - Part 4. Seawater chemical elements observation." This section compared with the GB/T 12763.4-1991 The main changes are as follows:
 - According to GB/T 1.1-2000. provisions "Standardization Guide Part 1 standard structure and write rules," revised standard Accurate formatting, are. the "chapter" to "chapter"; terms and definitions are a separate article; the various elements of "determination" deleted within After Yung supplemented, classified as "technical specifications", "principle of the method," "Reagent and preparation", "instruments and equipment", "means taking water samples, pre Handling and storage "," measurement procedure "and" computing "and seven items;
 - The original "technical design" to "the principles of survey design requirement" (1991 version 3, this version 4.1);

1 Scope

GB/T 12763.4-2007 is the Chinese national standard on specifications for oceanographic survey - part 4: survey of chemical parameters in sea water, in the field of natural and applied sciences. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 13 August 2007 by the General Administration of Quality Supervision, Inspection and Quarantine of

the People's Republic of China; Standardization Administration of China, and has been in force since 1 February 2008. Classification: ICS 07.060, CCS A45. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

GB/T 12763 in this section specifies the elements of organizational design seawater chemistry survey, survey implementation of the plan, sample collection and storage Storage, measurement methods, quality assurance and data analysis process. This section applies to the marine waters of the chemical elements of the investigation investigation.

2 Normative references

The following documents contain provisions which, through

GB/T 12763 reference in this text, constitute provisions of this part. For dated references, All subsequent amendments (excluding corrections) or revisions do not apply to this section, however, encourage an agreement under this section Parties to study the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 8170 numerical rounding rules

GB/T 12763.1 specification for oceanographic survey - Part 1. General

GB/T 12763.2 specification for oceanographic survey - Part 2. Marine hydrographic observations

GB/T 12763.7 specification for oceanographic survey - Part 7. Marine survey data exchange

3 Terms and Definitions

The following terms and definitions apply GB/T 12763 in this section.

3.1 DO Dissolved oxygen in seawater.

Note 1. The unit micromoles per cubic decimeter ($\mu\text{mol}/\text{dm}^3$) oxygen atoms.

Note 2. rewrite GB/T 15925, definitions 1.2.20.

3.2 In any given temperature and salinity, dissolved oxygen saturation to a specific concentration in seawater.

3.3 The percentage dissolved oxygen saturation concentration of dissolved oxygen concentration measured at the sample site with water temperature and salinity conditions.

NOTE. rewrite GB/T 15925, definitions 1.2.22.