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

HY/T 147.2-2013

**Code of practice for marine monitoring technology. Part 2:
Sediment
(English Translation)**

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Foreword

HY/T 147 "Marine Monitoring Technical Regulations" is divided into seven parts.

---Part 1: Sea water;

---Part 2: Sediment;

---Part 3: Organisms;

---Part 4: Ocean atmosphere;

---Part 5: Marine ecology;

---Part 6: Marine Hydrology, Meteorology and Sea Ice;

---Part 7: Satellite remote sensing technology methods.

This part is part 2 of HY/T 147.

This section was drafted in accordance with the rules given in GB/T 1.1-2009.

This part was proposed by the National Marine Environmental Monitoring Center.

This part is under the jurisdiction of the National Marine Standardization Technical Committee (SAC/TC283).

This section is responsible for the drafting unit. National Marine Environmental Monitoring Center.

Participating in the drafting of this section. South China Sea Environmental Monitoring Center of State Oceanic Administration, East China Sea Environmental Monitoring Center of State Oceanic Administration, State Oceanic Administration Beihai Environmental Monitoring Center.

1 Scope

This part of HY/T 147 specifies the analysis method of marine sediment monitoring items.

This part applies to the monitoring of sediments in the offshore and offshore areas, as well as the monitoring of sediments in estuaries, sewage outlets into the sea, and adjacent sea areas.

monitor.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version applies to this article Pieces. For undated references, the latest version (including all amendments) applies to this document.

GB 17378.1 Marine Monitoring Specification Part 1: General GB 17378.2 Marine Monitoring Specification Part 2: Data Processing and Analysis Quality Control GB 17378.3 Marine Monitoring Specification Part 3: Sample Collection, Storage and Transportation GB 17378.5 Marine Monitoring Specification Part 5: Sediment Analysis GB/T 6379.2-2004 Measurement methods and accuracy of results (accuracy and precision) Part 2: Determine standard measurement methods Basic method of method repeatability and reproducibility

3 Terms and definitions

The terms and definitions defined in GB 17378.1 and GB 17378.2 apply to this document.

4.1 Sample collection

The collection, preparation, storage, transportation and pretreatment of samples shall be carried out in accordance with the relevant regulations of GB 17378.3 and GB 17378.5.

4.2 Reagents and materials

Laboratory supplies, water, reagents and solvents should meet the following requirements.

- a) Test tubes with scales, concentrator bottles, pipettes, volumetric flasks, etc. for experiment should be calibrated before use;
- b) Glass containers and utensils should be washed with water, washed with detergent, and then washed with pure water or deionized water, dried or dried naturally;
- c) Reagents and organic solvents are purified according to the specific analysis method requirements of the test items;
- d) The reagents and solvents used should be similar products produced by the same manufacturer;
- e) In order to ensure the reproducibility and reproducibility of the experiment, the redistilled organic reagents should be mixed and the experimental conditions should be consistent.

4.3 Commonly used equipment in the laboratory

The equipment commonly used in general laboratories is as follows.