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

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**Codes of heavy metal and pesticide residues test for ballast
water on international ships
(English Translation)**

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Table of Contents

- Foreword
- 1 Scope
- 2 Normative references
- 3 Requirements
 - 3.1 Personnel requirements
 - 3.2 Sampling equipment, supplies requirements
- 4 Sample collection
 - 4.1 Preparation
 - 4.2 Sample collection

Foreword

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

This standard is proposed and managed by the National Certification and Accreditation Administration Committee.

This standard was drafted. Exit Inspection and Quarantine of Hebei People's Republic of China, Chinese Academy of Inspection and Quarantine, the People's Republic of China Exit Inspection and Quarantine and the State of Heilongjiang.

1 Scope

This standard specifies the sample collection for international navigation ship's ballast water, heavy metal and pesticide residue testing, methods, requirements and procedures.

This standard applies to international voyages in ballast water of heavy metals and pesticide residue testing.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB 17378.4 specification for marine monitoring Part 4. Seawater Analysis

3.1 Personnel requirements

Staff should have received relevant professional training, familiar with the working methods and technical requirements.

3.2 Sampling equipment, supplies requirements

Used sampling equipment and supplies.

- Should be kept clean and pollution-free, easy to clean processing;
- Heavy metal detection, should be made of non-metallic material;
- Pesticide residue testing, should be made of metal or glass material.

4.1 Preparation

Staff in accordance with the requirements of test items ready for a corresponding ballast water sampling equipment, sampling, sample bottles and recording forms, labels and Personal protective equipment and tools, to check whether it meets the requirements and can be controlled in good condition.

4.2 Sample collection

4.2.1

Staff should be back on board the ship to understand and record ship's ballast water tank volume, structure, distribution and origin and so on.

4.2.2

sampling equipment and supplies required in Appendix A.

4.2.3

staff adopt the necessary protection measures, use the appropriate tools and supplies collected in the collection vessel personnel escorted to the appropriate place sample. Heavy metal detection frosted glass jar or polyethylene plastic bottle containing the sample, the sample size required for each test according to testing requirements to 200mL ~ 1000mL. Pesticide residues or metal bottle wide mouth frosted glass sample bottles containing samples required for each test sample Amount based on the detection requirements 500mL ~ 2000mL.