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ICS 07.060; 13.060
CCS Z 17

HY

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

HY/T 191-2015

Determination of Iron for cooling seawater

海水冷却水中铁的测定

(English Translation)

Issued on: July 30, 2015 **Implemented on: October 1, 2015**

Issued by: State Oceanic Administration

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https://chinastandards.org/standards/hy-t-191-2015

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1 Foreword

HY/T 191-2015 was issued by State Oceanic Administration on 30 July 2015 and has been in force since 1 October 2015.

The HY/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 7 pages in English translation.

2 Scope Preview

This standard specifies seawater cooling water inductively coupled plasma emission spectrometry (ICP-AES), flame atomic absorption spectrophotometry and Phenanthroline spectrophotometric method for the determination of three kinds of iron. This standard applies to the determination of total iron and soluble iron content in seawater cooling water. Inductively coupled plasma emission spectroscopy (ICP-AES) is the arbitration method, the lower limit of detection is 0.02mg/L; the lower limit of detection of flame atomic absorption spectrophotometry is 0.20mg/L; adjacent the detection limit of phenanthroline spectrophotometry is 2μg.

HY/T 191-2015 falls under ICS 07.060; 13.060, in the field of natural and applied sciences.

This catalogue holds 287 other HY/T standards in that field.

In this catalogue, HY/T standards carry edition years from 1991 to 2025.

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3 Normative references

GB/T 6682

GB/T 12806-2011 - Laboratory glassware -- One-mark volumetric flasks

GB/T 12807-1991 - Laboratory glassware. Graduated pipettes

GB/T 12808-1991 - Laboratory glassware. One-mark pipettes

4 About this standard

Issued by: State Oceanic Administration

English translation: about 7 pages

Chinese original: about 10,164 characters

5 Related standards

Standards on related subjects:

GB/T 33584.3-2017 - Seawater quality requirements and analysis methods for seawater cooling system-Part 3: Determination of chloride

GB/T 33584.2-2017 - Seawater quality requirements and analysis methods for seawater cooling system-Part 2: Determination of zinc

GB 18420.1-2009 - Biological toxicity for pollutants from marine petroleum exploration and exploitation - Part 1: Grading

HY/T 0278-2019 - Methods for in-situ measurement of acoustic properties in marine sediments

HY/T 197-2015 - Determination of total alkalinity in seawater on potentiometric titration using an open-cell titration

HY/T 196-2015 - Determination of dissolved inorganic carbon in sea water using non-dispersive infrared absorption

6 Classification and status

International classification (ICS): 07.060; 13.060

Chinese Standard Classification (CCS): Z 17

Prefix HY/T: recommended standard.

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