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ICS 77.080.01
CCS H11

YB

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YB/T 4307-2012

Iron, steel and alloy. Determination of oxygen, nitrogen and hydrogen contents. TOF-mass spectroscopy method after fusion in a current of inert gas(Routine method)

钢铁及合金 氧、氮和氢含量的测定 脉冲加热惰气熔融-飞行时间质谱法（常规法）

(English Translation)

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YB/T 4307-2012 is issued by Ministry of Industry and Information Technology.

The YB/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 8 pages in English translation.

2 Scope Preview

This standard specifies the pulse heating inert gas fusion flight time mass spectrometry steel and alloy oxygen, nitrogen and hydrogen content method. This standard applies to steel and alloy oxygen, nitrogen and hydrogen content.

YB/T 4307-2012 falls under ICS 77.080.01, in the field of metallurgy.

This catalogue holds 971 other YB/T standards in that field.

In this catalogue, YB/T standards carry edition years from 1980 to 2026.

3 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document.

GB/T 6379.1

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GB/T 6379.2

GB/T 20066

4 About this standard

Issued by: Ministry of Industry and Information Technology

English translation: about 8 pages (approximate)

5 Related standards

Standards on related subjects:

GB/T 3654.3-2019 - Ferroniobium-Determination of silicon content-Gravimetric method

GB/T 4336-2016 - Carbon and low-alloy steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method (routine method)

GB/T 4701.1-2009 - Ferrotitanium - Determination of titanium content - The ammonium ferric sulfate titration method

YB/T 4306-2012 - Steel, iron and alloy. Determination of nitrogen content. Thermal conductimetric method after fusion in a current of inert gas

YB/T 4305-2012 - Steel, iron and alloy. Determination of oxygen content. Infrared method after fusion under inert gas

YB/T 4302-2012 - Determination of oil and iron remainders on cold rolled plate and strip surface

6 Classification and status

International classification (ICS): 77.080.01

Chinese Standard Classification (CCS): H 11

Prefix YB/T: recommended standard.

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