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ICS 77.100
CCS H11

YB

INDUSTRY STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

YB/T 4393.3-2025

(Methods for chemical analysis of ferroaluminumn, ferromanganese-aluminum and ferromanganese-aluminum-silicon - Part 3: Determination of aluminum, silicon, manganese, phosphorus, copper contents - Wavelength dispersive X-ray fluorescence spectrometric(fus

铝铁、铝锰铁及硅铝锰铁分析方法第3部分：铝、硅、锰、磷、铜含量测定波长色散X射线荧光光谱法（玻璃熔片法）

(English Translation)

Issued on: December 17, 2025 **Implemented on: July 1, 2026**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yb-t-4393-3-2025

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1 Foreword

YB/T 4393.3-2025 was issued by Ministry of Industry and Information Technology on 17 December 2025 and has been in force since 1 July 2026.

It is one of 3 parts of the YB/T 4393 series.

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.

2 Scope Preview

This standard specifies a method for determining the content of Al, Si, Mn, P, and Cu using wavelength dispersive X-ray fluorescence spectrometry (XRF) on a fused glass slide. This standard is applicable to the determination of the content of Al, Si, Mn, P, and Cu in ferroaluminum, ferromanganese, and ferrosilicon.

YB/T 4393.3-2025 falls under ICS 77.100, 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 About this standard

Sector: Ferrous Metallurgy Industry Standard (Recommended)

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English translation: about 15 pages (approximate)

4 Related standards

Other parts of this standard:

YB/T 4393-2014 - Ferroaluminumn, ferromanganese-aluminum and ferromanganese-aluminum-sillicon. Determination of aluminum content. EDTA titrimetric method

YB/T 4393.2-2023 - Methods for analysis of ferroaluminum, ferroaluminum manganese and ferrosilicon aluminum manganese - Part 2: Determination of phosphorus content Bismuth phosphorus molybdenum blue spectrophotometry

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 4392.1-2014 - Sulphat titanium slag. Determination of valent titanium oxide content. Titanium trichloride titration

5 Classification and status

International classification (ICS): 77.100

Chinese Standard Classification (CCS): H 11

Prefix YB/T: recommended standard.

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