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ICS 77.100
CCS H10

SN

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

SN/T 5683-2024

Quantitative phase analysis of silicon, ferrosilicon (FeSi2), and alpha -silicon carbide in ferrosilicon and silicon slag mixtures - X-ray diffraction K value method

硅铁和硅渣混合物中硅、硅铁（FeSi2）、α-碳化硅的定量相分析 X射线衍射K值法

(English Translation)

Issued on: December 31, 2024 **Implemented on: July 1, 2025**

Issued by: General Administration of Customs

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https://chinastandards.org/standards/sn-t-5683-2024

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1 Foreword

SN/T 5683-2024 was issued by General Administration of Customs on 31 December 2024 and has been in force since 1 July 2025.

The SN/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 15 pages in English translation.

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2 Scope Preview

SN/T 5683-2024 falls under ICS 77.100, in the field of metallurgy.

This catalogue holds 97 other SN/T standards in that field.

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

3 About this standard

Sector: Commodity Inspection Standard (Recommended)

Issued by: General Administration of Customs

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

GB/T 5686.2-2022 - Ferromanganese, ferromanganese-silicon, nitrogen-bearing ferromanganese and manganese metal-Determination of silicon content-Molybdenum blue spectrophotometric method, silicon potassium fluoride titrimetric method and perchloric acid dehydration gravimetric method

GB/T 16597-2019 - Analytical methods of metallurgical products-General rule for X-ray fluorescence spectrometric methods

GB/T 14265-2017 - General rule of chemical analysis for hydrogen,oxygen,nitrogen,carbon and sulfur in metallic materials

SN/T 5682-2024 - Determination of polychlorinated biphenyls in oil-containing recycled metals - Online catalytic gas chromatography-tandem mass spectrometry

SN/T 3011.1-2020 - X-ray diffraction method to identify the phases of imported solid wastes of metal minerals - Part 1: General rules

SN/T 1038-2020 - Import and export sodium metal inspection method

5 Classification and status

International classification (ICS): 77.100

Chinese Standard Classification (CCS): H 10

Prefix SN/T: recommended standard.

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