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ICS 77.120.40
CCS H13

YS

NONFERROUS METALS INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YS/T 341.5-2020

Methods for chemical analysis of nickel concentrates - Part 5: Determination of copper, lead, zinc, magnesium, cadmium and arsenic content. Inductively coupled plasma atomic emission spectrometry

镍精矿化学分析方法 第5部分： 铜、铅、锌、镁、镉和砷含量的测定 电感耦合等离子体原子发射光谱法

(English Translation)

Implemented on: October 1, 2020

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YS/T 341.5-2020 is issued by Ministry of Industry and Information Technology.

It is one of 10 parts of the YS/T 341 series.

The YS/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.

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2 Scope Preview

This standard specifies the method for the determination of copper, lead, zinc, magnesium, cadmium and arsenic in nickel concentrates. This standard applies to the determination of copper, lead, zinc, magnesium, cadmium and arsenic in nickel concentrates.

YS/T 341.5-2020 falls under ICS 77.120.40, in the field of metallurgy.

This catalogue holds 1,671 other YS/T standards in that field.

In this catalogue, YS/T standards carry edition years from 1985 to 2026.

3 About this standard

Sector: Nonferrous Metallurgy Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 8 pages (approximate)

Chinese original: about 8,834 characters

4 Related standards

Other parts of this standard:

YS/T 341.1-2006 - Methods for chemical analysis of nickel concentrates. Determination of nickel content - Dimethylglyoxime precipitate separation. EDTA titration method

YS/T 341.2-2006 - Methods for chemical analysis of nickel concentrates. Determination of copper content. Flame atomic absorption spectrometric method

YS/T 341.2-2026 - Part 2: Determination of copper, zinc, cadmium, chromium, lead and cobalt contents - Flame atomic absorption spectrometry

YS/T 341.3-2006 - Methods for chemical analysis of nickel concentrates. Determination of magnesia content. EDTA-titration method

YS/T 341.4-2016 - Methods for chemical analysis of nickel concentrates--Part 4: Determination of zinc content--Flame atomic absorption spectrometry

YS/T 341.6-2022 - Part 6: Determination of gold, platinum and palladium content - Fire assay for gold enrichment - inductively coupled plasma atomic emission spectrometry

YS/T 341.7-2022 - Part 7: Determination of silver content - Flame atomic absorption spectrometry

YS/T 341.8-2025 - Chemical analysis of nickel ore concentrates - Part 8: Determination of sulfur content - Combustion-neutralization titration method

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YS/T 341.9-2025 - Chemical Analysis Method for Nickel Ore Concentrate - Part 9: Determination of Fluorine Content - Ion Selective Electrode Method

Standards on related subjects:

GB/T 3884.1-2025 - Methods for chemical analysis of copper concentrates - Part 1: Determination of copper content - Iodine titration method and electrogravimetric method

YS/T 252.6-2020 - Methods for chemical analysis of nickel matte - Part 6: Determination of lead, zinc and arsenic contents - Inductively coupled plasma atomic emission spectrometry

GB/T 3884.2-2012 - Methods for chemical analysis of copper concentrates - Part 2: Determination of gold and silver contents - Flame atomic absorption spectrometric method and fire assay method

5 Classification and status

International classification (ICS): 77.120.40

Chinese Standard Classification (CCS): H 13

Prefix YS/T: recommended standard.

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