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ICS 77.120.60
CCS H13

YS

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

YS/T 1345.4-2020

Chemical analysis methods for high bismuth lead - Part 4: Determination of antimony content. Flame atomic absorption spectrometry and cerium sulfate titration

高铋铅化学分析方法 第4部分：锑含量的测定 火焰原子吸收光谱法和硫酸铈滴定法

(English Translation)

Implemented on: October 1, 2020

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YS/T 1345.4-2020 was issued by Ministry of Industry and Information Technology on 16 April 2020 and has been in force since 1 October 2020.

It is one of 7 parts of the YS/T 1345 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 antimony content in high bismuth lead. This standard applies to the determination of antimony content in high bismuth lead ore. Measurement range of method 1: 0.10% to 4.00%; measurement range of method 2: 4.00% to 8.00%.

YS/T 1345.4-2020 falls under ICS 77.120.60, 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 9,971 characters

4 Related standards

Other parts of this standard:

YS/T 1345.1-2020 - Part 1: Determination of lead content. Na2EDTA titration method

YS/T 1345.2-2020 - Methods for chemical analysis of high bismuth lead: - Part 2: Determination of bismuth content Na2EDTA titration

YS/T 1345.3-2020 - Part 3: Determination of gold and silver content. Fire assay weight method

YS/T 1345.5-2020 - Chemical analysis methods of high bismuth lead - Part 5: Determination of copper content. Flame atomic absorption spectrometry

YS/T 1345.6-2020 - Part 6: Determination of tin content. Potassium iodate titration method

YS/T 1345.7-2021 - Part 7: Determination of copper, iron, nickel, cadmium, arsenic, antimony and bismuth content. Inductively coupled plasma atomic emission spectrometry

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 1229.3-2018 - Methods for chemical analysis of crude nickel hydroxide - Part 3: Determination of copper, cobalt, manganese calcium, magnesium, zinc, iron, aluminum,

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lead, arsenic and cadmium 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): 77.120.60

Chinese Standard Classification (CCS): H 13

Prefix YS/T: recommended standard.

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