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CCS H13

YS

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

YS/T 461.11-2021

Methods for chemical analysis of mixed lead-zinc concentrates - Part 11: Determination of arsenic, bismuth, cadmium, cobalt, copper, nickel and antimony content. Inductively coupled plasma atomic emission spectrometry

混合铅锌精矿化学分析方法 第11部分：砷、铋、镉、钴、铜、镍和锑含量的测定 电感耦合等离子体原子发射光谱法

(English Translation)

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YS/T 461.11-2021 was issued by Ministry of Industry and Information Technology on 2 December 2021.

It is one of 12 parts of the YS/T 461 series.

2 About this standard

Sector: Nonferrous Metallurgy Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 12 pages (approximate)

Chinese original: about 18,148 characters

3 Related standards

Other parts of this standard:

YS/T 461.1-2013 - Methods for chemical analysis of lead and zinc bulk concentrates. Part 1: The determination of lead and zinc contents. Na2EDTA titrimetric method after precipitation separation

YS/T 461.2-2013 - Methods for chemical analysis of lead and zinc bulk concentrates. Part 2: The determination of iron content. Na2EDTA titrimetric method

YS/T 461.3-2013 - Methods for chemical analysis of lead and zinc bulk concentrates. Part 3: The determination of sulfur content. Combustion-neustralinzation titrimetric method

YS/T 461.4-2024 - Chemical analysis method for mixed lead-zinc concentrate - Part 4: Determination of arsenic content - Ammonium ferrous sulfate titration

YS/T 461.5-2013 - Methods for chemical analysis of lead and zinc bulk concentrates. Part 5: The determination of silicon dioxide content. Molybdenum blue spectrophotometric method

YS/T 461.6-2024 - Chemical analysis method for mixed lead-zinc concentrate - Part 6: Determination of mercury content - Atomic Fluorescence Spectrometry and Solid Sampling Direct Method

YS/T 461.7-2013 - Methods for chemical analysis of lead and zinc bulk concentrates. Part 7: The determination of cadmium content. Flame atomic absorption spectrometry

YS/T 461.8-2025 - Methods for chemical analysis of lead and zinc bulk concentrates - Part 8: Determination of copper content - Flame atomic absorption spectrometry and iodine

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titration methods

YS/T 461.9-2025 - Methods for chemical analysis of lead and zinc bulk concentrates - Part 9: Determination of silver and gold contents - Flame atomic absorption spectrometry and fire assay method

YS/T 461.10-2013 - Methods for chemical analysis of lead and zinc bulk concentrates. Part 10: The determination of gold and silver contents. Fire-assaying methods

YS/T 461.12-2016 - Methods for chemical analysis of lead and zinc bulk concentrates--Part 12: Determination of thallium content--Inductively coupled plasma mass spectrometry and inductively coupled plasma atomic emission spectrometry

4 Classification and status

Chinese Standard Classification (CCS): H 13

Prefix YS/T: recommended standard.

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