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CCS H13

YS

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

# YS/T 1445.2-2021

## Chemical analysis methods of nickel, cobalt and aluminum composite hydroxides - Part 2: Determination of cobalt content. Potentiometric titration method

镍钴铝三元素复合氢氧化物化学分析方法 第2部分：钴含量的测定 电位滴定法

**(English Translation)**

**Issued by: Ministry of Industry and Information Technology**

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## 1 Foreword

YS/T 1445.2-2021 was issued by Ministry of Industry and Information Technology on 2 December 2021.

It is one of 5 parts of the YS/T 1445 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.

## 2 Scope Preview

YS/T 1445.2-2021 is filed under Chinese Standard Classification H13, in the field of metallurgy.

This catalogue holds 1,555 other YS/T standards without an ICS number.

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)



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Chinese original: about 10,148 characters

## 4 Related standards

Other parts of this standard:

YS/T 1445.1-2021 - Chemical analysis methods of nickel, cobalt and aluminum three-element composite hydroxides - Part 1: Determination of nickel content. Dimethylglyoxime gravimetric method

YS/T 1445.3-2021 - Methods for chemical analysis of nickel, cobalt and aluminum composite hydroxides - Part 3: Determination of aluminum, copper, iron, zinc, calcium, magnesium, sodium, and manganese content. Inductively coupled plasma atomic emission spectrometry

YS/T 1445.4-2021 - Part 4: Determination of chloride ion content. Silver chloride turbidimetric method

YS/T 1445.5-2021 - Part 5: Determination of sulfate ion content. Barium sulfate turbidimetric 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 1229.3-2018 - Methods for chemical analysis of crude nickel hydroxide - Part 3: Determination of copper, cobalt, manganese calcium, magnesium, zinc, iron, aluminum, 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

Chinese Standard Classification (CCS): H 13

Prefix YS/T: recommended standard.



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