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ICS 73.060.10
CCS D31

YS

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

YS/T 1047.12-2020

Methods for chemical analysis of copper magnetite - Part 12: Determination of sulfur content Inductively coupled plasma atomic emission spectrometry

铜磁铁矿化学分析方法 第12部分：硫含量的测定 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 1047.12-2020 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 13 parts of the YS/T 1047 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

This standard specifies the method for the determination of sulfur content in copper magnetite. This standard applies to the determination of sulfur content in copper magnetite. Measurement range: 0.50%~7.00%.

YS/T 1047.12-2020 falls under ICS 73.060.10, in the field of mining and minerals.

This catalogue holds 140 other YS/T standards in that field.

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

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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 6,630 characters

4 Related standards

Other parts of this standard:

YS/T 1047.1-2015 - Methods for chemical analysis of copper magnetite. Part 1: Determination of copper content. 2, 2-biquinoly spectrophotometric method and flame atomic absorption spectrometric method

YS/T 1047.2-2015 - Methods for chemical analysis of copper magnetite. Part 2: Determination of total iron content. Potassium dichromate titration methods

YS/T 1047.3-2015 - Methods for chemical analysis of copper magnetite. Part 3: Determination of copper and iron contents. Sodium hyposulfite titration

YS/T 1047.4-2015 - Part 4: Determination of sulfur content - High frequency combustion with infrared absorption method

YS/T 1047.5-2015 - Part 5: Determination of phosphorus content - Titrimetric method

YS/T 1047.6-2015 - Part 6?? Determination of copper, total iorn, silicon dioxide, alumina oxide, calcium oxide, magnesium oxide, titanium dioxide, manganese oxide and phosphorus contents - Wavelength dispersive X-ray fluore

YS/T 1047.7-2015 - Part 7: Determination of copper, manganese, aluminium, calcium, magnestium, titanium and phosphorus contents - Inductively coupled plasma atomic emission spectrometric method

YS/T 1047.8-2015 - Methods for chemical analysis of copper magnetite. Part 8: Determination of silicon dioxide content. Gravimetric method

YS/T 1047.9-2015 - Part 9: Determination of metallic iron content - Sulfosalicylic acid photometric method

YS/T 1047.10-2015 - Methods for chemical analysis of copper magnetite. Part 10: Determination of iron (II) oxide content. Potassium dichromate titration method

YS/T 1047.11-2015 - Part 11: Determination of magnet iron content - Potassium dichromate titration method

YS/T 1047.13-2020 - Part 13: Determination of mercury content Direct determination of

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solid sampling and cold atomic absorption spectrometry

Standards on related subjects:

GB/T 6730.1-2016 - Iron ores -- Preparation of pre-dried test samples for chemical analysis

GB/T 6730.10-2014 - Iron ores -- Determination of silicon content -- Gravimetric methods

SN/T 2262-2009 - Determination of aluminum||arsenic||calcium||copper||magnesium||manganese||phosphorus||lead||zincum in iron ores. Inductively coupled plasma atomic emission spectrometry

5 Classification and status

International classification (ICS): 73.060.10

Chinese Standard Classification (CCS): D 31

Prefix YS/T: recommended standard.

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