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YS

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

# YS/T 1472.1-2021

## Chemical analysis methods for lithium-rich manganese-based cathode materials - Part 1: Determination of manganese content Potentiometric titration method

富锂锰基正极材料化学分析方法 第1部分：锰含量的测定 电位滴定法

**(English Translation)**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/ys-t-1472-1-2021

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## 1 Foreword

YS/T 1472.1-2021 was issued by Ministry of Industry and Information Technology on 2 December 2021.

It is one of 6 parts of the YS/T 1472 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 1472.1-2021 is filed under Chinese Standard Classification H14, 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 12,119 characters

## 4 Related standards

Other parts of this standard:

YS/T 1472.2-2021 - Part 2: Determination of cobalt content Potentiometric titration

YS/T 1472.3-2021 - Part 3: Determination of nickel content-Diacetyl oxime gravimetric method

YS/T 1472.4-2021 - Methods for chemical analysis of lithium-rich manganese-based cathode materials - Part 4: Determination of lithium, nickel, cobalt, sodium, potassium, copper, calcium, iron, magnesium, zinc, aluminum, and silicon content - Inductively coupled plasma atomic emission spectrometry

YS/T 1472.5-2021 - Part 5: Determination of chlorine content Silver chloride turbidimetric method

YS/T 1472.6-2021 - Part 6: Determination of sulfate content-Ion chromatography

Standards on related subjects:

GB/T 4698.17-2019 - Methods for chemical analysis of titanium sponge, titanium and titanium alloys-Part 17:Determination of magnesium content-Flame atomic absorption spectrometry

XB/T 619-2015 - Chemical analysis methods of ion type rare earth ore - Determination of total rare earth ion phase

YS/T 1006.2-2014 - Methods for Chemical Analysis of Lithium Nickel Cobalt Manganese Oxide - Part 2: Determination of Lithium, Nickel, Cobalt, Manganese, Sodium, Magnesium, Aluminum, Potassium, Copper, Calcium, Iron, Zinc and Silicon Content - Inductively Coupled Plasma Atom

## 5 Classification and status

Chinese Standard Classification (CCS): H 14

Prefix YS/T: recommended standard.



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