

ICS 77.120.40
CCS H13

YS

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

YS/T 928.8-2026

**Methods for chemical analysis of nickel cobalt manganese ternary
precursor - Part 8: Determination of nickel, cobalt, manganese contents
- X-ray fluorescence spectrometric method**

镍钴锰三元前驱体化学分析方法 第8部分：镍、钴、锰含量的测定 X射线荧光光谱法

(English Translation)

Issued on: July 15, 2026

Implemented on: February 1, 2027

Issued by: Ministry of Industry and Information Technology

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Foreword

YS/T 928.8-2026 is a recommended industry standard of the People's Republic of China in the Nonferrous Metals sector, approved and issued by the Ministry of Industry and Information Technology on 15 July 2026, with effect from 1 February 2027.

Classification: ICS 77.120.40; CCS H13.

1 Scope

Part 8 of the series on chemical analysis of nickel cobalt manganese ternary precursor, YS/T 928.8-2026 describes the determination of nickel, cobalt and manganese contents by X-ray fluorescence spectrometry.

The method applies to the determination of nickel, cobalt and manganese in the precursor, with measuring ranges of 15.00% to 60.00% for nickel, 1.00% to 15.00% for cobalt and 1.00% to 25.00% for manganese. It is used by precursor and battery material producers, buyers and testing laboratories. It is a voluntary standard, as shown by the /T in its code. It was approved by the Ministry of Industry and Information Technology, issued on 15 July 2026 and takes effect on 1 February 2027. It is a new standard.