

ICS 77.120.40
CCS H13

YS

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

YS/T 928.7-2026

**Methods for chemical analysis of nickel cobalt manganese ternary
precursor - Part 7: Determination of fluorine and chlorine contents - Ion
selective electrode method and ion chromatography method**

镍钴锰三元前驱体化学分析方法 第7部分：氟、氯含量的测定 离子选择电极法
和离子色谱法

(English Translation)

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Foreword

YS/T 928.7-2026 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 April 2026, with effect from 1 November 2026.

Classification: ICS 77.120.40; CCS H13.

1 Scope

Part 7 of the series on chemical analysis of nickel cobalt manganese ternary precursor, YS/T 928.7-2026 describes the determination of fluorine and chlorine content by two methods: the ion selective electrode method (method 1) and the ion chromatography method (method 2).

Method 1 applies to the determination of fluorine in the precursor, in the range 0.010% to 0.050%. Method 2 applies to the determination of fluorine and chlorine, with fluorine in the range 0.010% to 0.050% and chlorine in the range 0.0001% to 0.050%. 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 April 2026 and takes effect on 1 November 2026. It is a new standard.