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CCS D31



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 6730.11-2025

Replacing GB/T 6730.11-2007

**Iron ores - Determination of aluminium content - EDTA
titrimetric method**

铁矿石 铝含量的测定 EDTA滴定法

(English Translation)

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Table of Contents

Foreword
1 Scope
2 Normative references
3 Terms and definitions

Foreword

GB/T 6730.11-2025 is a recommended national standard (GB/T) of the People's Republic of China, issued on 29 August 2025 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 March 2026.

This edition replaces GB/T 6730.11-2007.

The document adopts an international standard (ISO or IEC).

It is under the responsibility of the China Iron and Steel Association.

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1 Scope

Aluminium content is one of the chemical indicators used to judge the quality and price of iron ore, because alumina affects furnace behaviour and slag practice. This standard sets out a chemical analysis method for determining aluminium in iron ores using EDTA titration.

The method is aimed at laboratories at mines, ports, steel works and independent inspection companies that analyse iron ore for trade or process control. Buyers and sellers who specify aluminium in sales contracts rely on a defined method so that results from different laboratories can be compared and disputes about quality can be settled on a common basis.

Issued on 29 August 2025, the document takes effect on 1 March 2026 and replaces GB/T 6730.11-2007, an edition that is considerably older. It is a recommended national standard, so it is voluntary unless adopted by contract or by a laboratory's accredited scope.

Laboratories should compare their current procedure with the new edition before the effective date.