

ICS 77.040.99

CCS H24



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

GB/T 48184-2026

**Method for determination of microporosity of aluminium alloy
ingots**

变形铝合金铸锭显微疏松测定方法

(English Translation)

Issued on: August 28, 2026

Implemented on: March 1, 2027

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

Table of Contents

Foreword
1 Scope
2 Normative references
3 Terms and definitions

Foreword

GB/T 48184-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 March 2027.

It is under the responsibility of the China Nonferrous Metals Industry Association.

Classification: ICS 77.040.99; CCS H24.

1 Scope

This document provides a method for determining microporosity in ingots made of wrought aluminium alloys. Microporosity is a casting-related feature of the metal structure, and its presence in ingots can influence the quality of the rolled, extruded or forged products made from them. A standardized determination method lets producers and customers describe and compare ingot quality on a common basis.

Typical users are aluminium smelters and casthouses, semi-fabricators that buy ingot for downstream processing, metallurgical testing laboratories, and quality and procurement staff who need to agree on how microporosity is assessed. It is a recommended (voluntary) national standard taking effect on 1 March 2027, and the China Nonferrous Metals Industry Association is the responsible body. Casthouses can also use it as a reference when investigating why downstream sheet, extrusion or forging lots show internal defects.