

ICS 77.16
CCS H 16

YS

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

YS/T 1738-2025

**Tungsten Carbide Powder for Casting - Determination of
Impurity Elements - Inductively-Coupled Plasma Atomic
Emission Spectrometric Method
(English Translation)**

Issued on: April 10, 2025

Implemented on: November 1, 2025

Issued by: Ministry of Industry and Information Technology

Table of Contents

What this standard covers	1
Document data	2

What this standard covers

This standard specifies the methods for determining the content of iron, aluminum, manganese, magnesium, nickel, titanium, vanadium, cobalt, copper, chromium, calcium, molybdenum, tantalum, and niobium in cast tungsten carbide powder. This document applies to the determination of the content of these elements in cast tungsten carbide powder, and also to the determination of impurity element content in tungsten carbide powder and tungsten powder. The determination range for iron, aluminum, manganese, magnesium, nickel, titanium, vanadium, cobalt, copper, chromium, and calcium is 0.00050%~0.25%; for molybdenum and niobium, the range is 0.0010%~0.25%; and for tantalum, the range is 0.0020%~0.25%.

Document data

International classification (ICS): 77.16.

Chinese classification (CCS): H16.

Estimated length of the Chinese original: 11,185 words.