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**YS**

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

**YS/T 358.13-2025**

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**Methods for chemical analysis of tantalite, columbite  
concentrates - Part 13: Determination of impurity content -  
Inductively coupled plasma atomic emission spectrometry  
(English Translation)**

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### What this standard covers

This standard specifies methods for determining the content of impurity elements in ferrotantalum and ferroniobium concentrates using inductively coupled plasma atomic emission spectrometry (ICP-AES). These methods include Method 1 (alkali fusion method) and Method 2 (acid dissolution method). This standard is applicable to the determination of impurity element content in ferrotantalum and ferroniobium concentrates. Method 1 is applicable to the determination of titanium dioxide, tin, tungsten trioxide, and manganese content in ferrotantalum and ferroniobium concentrates, while Method 2 is applicable to the determination of titanium dioxide, tungsten trioxide, and manganese content in ferrotantalum and ferroniobium concentrates.

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