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

YS/T 358.1-2025

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**Chemical Analysis of Tantalum and Niobium Iron Concentrate -
Part 1: Determination of Tantalum and Niobium Content -
Weighing Method and X-Ray Fluorescent Spectrometry
(English Translation)**

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This standard specifies the methods for determining the tantalum and niobium content in ferrotantalum and ferroniobium concentrates. This document applies to the determination of tantalum and niobium content in ferrotantalum and ferroniobium concentrates. Method 1: Gravimetric method; Method 2: X-ray fluorescence spectrometry. The determination range (based on the mass fraction of its oxides) is 5.00% to 60.00%. Method 1 is an arbitration method. Method 2 in this document is not applicable to the determination of tantalum content in materials with a hafnium content greater than 0.1%.

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