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XB

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

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**Methods for chemical analysis of recycled materials from rare
earth pyrometallurgical smelting - Part 1: Determination of total
rare earth content**
(English Translation)

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What this standard covers

This standard specifies the method for the determination of the total amount of rare earths in recycled materials from rare earth pyrometallurgy. This standard is applicable to the determination of the total amount of rare earths in recycled materials from rare earth pyrometallurgy by electrolysis process and thermal reduction process. This standard contains a total of 2 methods: oxalate gravimetric method (Method 1) and inductively coupled plasma optical emission spectrometry (Method 2). The measurement range (mass fraction) of method 1 is 5.00% to 90.00%, and the measurement range (mass fraction) of method 2 is 0.50% to 10.00%. When the measurement ranges of the two methods overlap, Method 1 is used as the arbitration method.

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