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**INDUSTRY STANDARD OF THE
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**Methods for chemical analysis of recycled materials from rare
earth pyrometallurgical smelting - Part 2: Determination of the
proportions of fifteen rare earth element oxides**

(English Translation)

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This standard specifies praseodymium and neodymium alloy pyro-smelting recycled materials, lanthanum-cerium alloy pyro-smelting recycled materials, calciothermal reduction recycled materials, lanthanum thermal reduction recycled materials, rare earth ferroalloy pyro-smelting recycled materials (dyprosium ferro, holmium ferro, gadolinium ferro)) Determination of the proportions of oxides of fifteen rare earth elements in . This standard contains a total of 2 methods: X-ray fluorescence spectrometry (Method 1) and inductively coupled plasma emission spectrometry (Method 2). Method 1 is applicable to the fifteen rare earths in praseodymium and neodymium alloy pyrometallurgy recycled materials, lanthanum-cerium alloy pyrometallurgical smelting recycled materials, lanthanum thermal reduction recycled materials, and rare earth ferroalloy pyrometallurgical smelting recycled materials (dyprosium ferro, holmium ferro, and gadolinium ferro). Determination of elemental oxide components. Method 2 is suitable for praseodymium and neodymium alloy pyrometallurgical recycling materials, lanthanum-cerium alloy pyrometallurgy recycling materials, lanthanum thermal reduction recycling materials, and calcium thermal reduction recycling materials.

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