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

GB/T 12690.15-2018

Replacing GB/T 12690.15-2006

**Chemical analysis methods for non-rare earth impurities of rare
earth metals and their oxides-Part 15: Determination of calcium
content**

稀土金属及其氧化物中非稀土杂质 化学分析方法 第15部分：钙量的测定

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Foreword

GB/T 12690 "Chemical Analysis Methods for Non-rare Earth Impurities in Rare Earth Metals and Their Oxides" is divided into 19 parts.

- Part 1. Determination of carbon and sulfur content - High frequency - infrared absorption method;
- Part 2. Determination of the amount of ignition in rare earth oxides;
- Part 3. Determination of moisture content in rare earth oxides;
- Part 4. Determination of oxygen and nitrogen - pulse - infrared absorption method and pulse - heat conduction method;
- Part 5. Determination of cobalt, manganese, lead, nickel, copper, zinc, aluminum, chromium, magnesium, cadmium, vanadium, iron;
- Part 6. Determination of iron content - Potassium thiocyanate, 1,10- phenanthroline spectrophotometric method;
- Part 7. Determination of silicon content - Molybdenum blue spectrophotometric method;
- Part 8. Determination of sodium content by flame atomic absorption spectrometry;
- Part 9. Determination of chlorine content - silver nitrate turbidimetric method;
- Part 10. Determination of phosphorus content - Molybdenum blue spectrophotometric method;
- Part 11. Determination of magnesium content by flame atomic absorption spectrometry;
- Part 12. Determination of enthalpy;
- Part 13. Determination of the amount of molybdenum and tungsten;

1 Scope

GB/T 12690.15-2018 is the Chinese national standard on chemical analysis methods for non-rare earth impurities of rare earth metals and their oxides-part 15: determination of

acid (2.2.2) to dissolve and boil to remove carbon dioxide. Cool to room temperature and transfer the solution to a 1000 mL volumetric flask to

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