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NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 13748.9-2013

Methods for chemical analysis of magnesium and magnesium alloys - Part 9: Determination of iron and silicon content - Spectrophotometric method

镁及镁合金化学分析方法 第9部分：铁含量测定 邻二氮杂菲分光光度法

(English Translation)

Issued on: May 25, 2026 **Implemented on: December 1, 2026**

Issued by: State Administration for Market Regulation, Standardization Administration of China

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https://chinastandards.org/standards/gb-t-13748-9-2013

1 Foreword

GB/T 13748.9-2013 was issued by State Administration for Market Regulation, Standardization Administration of China on 25 May 2026 and has been in force since 1 December 2026.

It is one of 33 parts of the GB/T 13748 series.

2 About this standard

Sector: National Standard (Recommended)

Issued by: State Administration for Market Regulation, Standardization Administration of China

English translation: about 9 pages (approximate)

Chinese original: about 14,162 characters

3 Related standards

Other parts of this standard:

GB/T 13748.1-2013 - Part 1: Determination of aluminium content

GB/T 13748.1-2026 - Part 1: Determination of aluminium content

GB/T 13748.2-2005 - Chemical analysis methods of magnesium and magnesium alloys Determination of tin content Pyrocatechol violet spectrophotometric method

GB/T 13748.2-2026 - Part 2: Determination of tin, beryllium, copper, nickel and titanium content - Spectrophotometry

GB/T 13748.3-2005 - Chemical analysis methods of magnesium and magnesium alloys Determination of lithium content Flame atomic absorption spectrometric method

GB/T 13748.3-2026 - Part 3: Determination of lithium and silver content - Flame atomic absorption spectrometry

GB/T 13748.4-2013 - Part 4: Determination of manganese and zirconium content - Spectrophotometric method

GB/T 13748.4-2026 - Part 4: Determination of manganese and zirconium content - Spectrophotometry

GB/T 13748.6-2005 - Chemical analysis methods of magnesium and magnesium alloys Determination of silver content Flame atomic absorption spectrophotometric method

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GB/T 13748.7-2013 - Chemical analysis methods of magnesium and magnesium alloys -- Part 7: Determination of zirconium content

GB/T 13748.8-2013 - Part 8: Determination of rare earth content

GB/T 13748.8-2026 - Part 8: Determination of rare earth content

GB/T 13748.10-2013 - Chemical analysis methods of magnesium and magnesium alloys -- Part 10: Determination of silicon content -- Molybdenum blue spectrophotometric method

GB/T 13748.11-2005 - Chemical analysis methods of magnesium and magnesium alloys Determination of beryllium content Solochrome cyanine R spectrophotometric method

GB/T 13748.12-2013 - Chemical analysis methods of magnesium and magnesium alloys -- Part 12: Determination of copper content

GB/T 13748.13-2005 - Chemical analysis methods of magnesium and magnesium alloys Determination of lead content Flame atomic absorption spectrophotometric method

GB/T 13748.13-2026 - Part 13: Determination of lead, calcium, potassium and sodium contents - Flame atomic absorption spectrometry

GB/T 13748.14-2013 - Chemical analysis methods of magnesium and magnesium alloys -- Part 14: Determination of nickel content -- Dimethylglyoxime spectrophotometric method

GB/T 13748.15-2013 - Part 15: Determination of zinc content

GB/T 13748.15-2026 - Part 15: Determination of zinc content

GB/T 13748.16-2005 - Chemical analysis methods of magnesium and magnesium alloys Determination of calcium content Flame atomic absorption spectrometric method

GB/T 13748.17-2005 - Chemical analysis methods of magnesium and magnesium alloys Determination of kalium content and natrium content Flame atomic absorption spectrophotometric method

GB/T 13748.18-2005 - Chemical analysis methods of magnesium and magnesium alloys Determination of chlorine content Silver chlorine turbidimetric method

GB/T 13748.18-2026 - Part 18: Determination of chlorine content - Silver chloride turbidimetric method

GB/T 13748.19-2005 - Chemical analysis methods of magnesium and magnesium alloys Determination of titanium content Diantipyrylmethane spectrophotometric method

GB/T 13748.20-2024 - Part 20: Determination of element contents - Inductively coupled plasma atomic emission spectrometry

GB/T 13748.21-2009 - Chemical analysis methods of magnesium and magnesium alloys - Part 21: Determination of elements by photoelectric direct reading atomic emission

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spectrometry

GB/T 13748.21-2026 - Part 21: Determination of element content - Photoelectric direct reading atomic emission spectrometry

GB/T 13748.22-2013 - Part 22: Determination of thorium content

GB/T 13748.22-2026 - Part 22: Determination of thorium content

GB/T 13748.23-2024 - Part 23: Determination of elements content - Wavelength dispersive X-ray fluorescence spectrometric method

GB/T 13748.24-2025 - Methods for chemical analysis of magnesium and magnesium alloysPart 24: Determination of trace impurity elements contentsGlow discharge mass spectrometry

Other editions:

GB/T 13748.9-2026 (later edition)

4 Classification and status

International classification (ICS): 77.120.20

Chinese Standard Classification (CCS): H 12

Prefix GB/T: recommended standard.

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