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**Magnesium and magnesium alloys —
Method for spark discharge atomic
emission spectrometric analysis**

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by The Japan Magnesium Association (JMA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS H 1322:1976** is replaced with this Standard.

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Magnesium and magnesium alloys — Method for spark discharge atomic emission spectrometric analysis

1 Scope

This Japanese Industrial Standard specifies the method for determination of 10 components given in Table 1 in magnesium and magnesium alloys by spark discharge atomic emission spectrometric analysis.

Table 1 Applicable components and determination range

Unit: mass fraction (%)	
Applicable component	Determination range
Aluminium	0.01 or over up to and incl. 12.0
Zinc	0.005 or over up to and incl. 0.10
Manganese	0.006 or over up to and incl. 0.10
Iron	0.003 or over up to and incl. 0.08
Silicon	0.006 or over up to and incl. 0.6
Copper	0.005 or over up to and incl. 0.5
Nickel	0.001 or over up to and incl. 0.04
Zirconium	0.05 or over up to and incl. 0.10
Calcium	0.01 or over up to and incl. 0.10
Beryllium	0.001 or over up to and incl. 0.003

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

- JIS H 1332 *Methods for determination of aluminium in magnesium and magnesium alloys*
- JIS H 1335 *Methods for determination of zinc in magnesium and magnesium alloys*
- JIS H 1334 *Methods for determination of manganese in magnesium and magnesium alloys*
- JIS H 1335 *Methods for determination of silicon in magnesium and magnesium alloys*
- JIS H 1336 *Methods for determination of copper in magnesium and magnesium alloys*
- JIS H 1337 *Method for determination of nickel in magnesium and magnesium alloys*