

JIS

JAPANESE INDUSTRIAL STANDARD

Method for Emission Spectrochemical
Analysis of Magnesium Ingot

JIS H 1322-1976
(Reaffirmed: 1984)

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Translated
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Method for Emission Spectrochemical
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1. Scope

This Japanese Industrial Standard specifies the method for emission spectrochemical analysis by photographic photometry of those chemical components (aluminium, copper, iron, manganese, silicon, nickel, and zinc) specified in JIS H 2150.

2. General Items

The general items common to the methods of analysis shall be as specified in JIS K 0050 and JIS Z 2612.

3. Methods of Sampling and Treatment of Specimens

The methods of sampling and treatment of sample shall be as specified in JIS H 1321. In the case of a magnesium metal in molten condition, the sample shall be taken by cutting a bar-shaped sample cast by using a mould lined with magnesium, and in the case of a magnesium ingot, chipped samples shall be taken from several portions excluding the surface layers by using a drill.

4. Method of Indication of Analytical Values

The analytical values shall be indicated in percentage and the numerical values shall be arranged as follows:

- (1) The contents of impurities shall be calculated to the place next to that specified in JIS H 2150 and then rounded off to the specified place according to JIS Z 8401. However, the significant numerical values of impurity percentage in this standard shall be indicated within two figures.

Applicable Standards:

JIS H 1321-Methods for Chemical Analysis of Magnesium Metal

JIS H 2150-Magnesium Ingots

JIS K 0050-General Rules for Chemical Analysis

JIS Z 2612-General Rules for Photographic Emission Spectrochemical
Analysis of Metal Materials

JIS Z 8401-Rules for Rounding off of Numerical Values