

JIS

JAPANESE INDUSTRIAL STANDARD

**Method for Chemical
Analysis of Platinum**

JIS H 1701—1988

Translated and Published

by

Japanese Standards Association

In the event of any doubt arising,
the original Standard in Japanese is to be final authority.

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Method for Chemical Analysis of Platinum

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1. Scope

This Japanese Industrial Standard specifies the methods for determination of palladium, rhodium, ruthenium, iridium, gold, silver, copper and iron specified in JIS H 6201, JIS H 6202 and JIS H 6203 and the method for obtaining the analytical value of platinum.

2. General Items

General items common to analytical methods shall be in accordance with JIS K 0050 and JIS K 0121.

3. Sampling and Treating of Analytical Sample

3.1 Sampling Sampling shall be carried out in accordance with the following procedure.

- (1) A sample not less than 8 g shall be so taken as to represent the average quality using tools such as chisels, metal scissors, etc. cleaned with ethanol (95 vol %).
- (2) The sample taken shall be rolled to not more than 0.3 mm in thickness with a mill.

3.2 Treating of Sample A sample shall be treated in accordance with the following procedure.

- (1) Remove oils and other adherings from the surface of a rolled sample to clean and finely cut them with clean metal scissors.
- (2) Immerse them in nitric acid (1 + 1) and gently heat.
- (3) After washing with water, immerse them in hydrochloric acid (1 + 1) and gently heat.
- (4) After washing with water, dry them.

Applicable Standards:

JIS H 6201-Platinum Crucibles for Chemical Analysis

JIS H 6202-Platinum Dishes for Chemical Analysis

JIS H 6203-Platinum Boats for Chemical Analysis

JIS K 0050-General Rules for Chemical Analysis

JIS K 0121-General Rules for Atomic Absorption Spectrochemical Analysis

JIS Z 8401-Rules for Rounding off of Numerical Values