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JIS H 6310 : 2005

(JJA/JSA)

**Methods for determination of gold
in gold jewellery alloys**

ICS 77.120.99

Reference number : JIS H 6310 : 2005 (E)

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 Japan Jewellery Association (JJA)/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 6310 : 2000** is replaced with this Standard.

This revision has been made based on **ISO 11426 : 1997** *Determination of gold in gold jewellery alloys—Cupellation method (fire assay)* for the purposes of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of an International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

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In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

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Methods for determination of gold in gold jewellery alloys

Introduction This Japanese Industrial Standard has been prepared based on the second edition of **ISO 11426** *Determination of gold in gold jewellery alloys—Cupellation method (fire assay)* published in 1997, adopting the corresponding part (determination of gold by cupellation method) of the said International Standard, with some modifications of the technical content. Some items (ICP atomic emission spectrometry) not specified in the said International Standards have been additionally contained as Japanese Industrial Standard.

The portions given sidelines or dotted underlines are the matters in which the contents of the original International Standard have been modified. A list of modifications with the explanations is given in Annex (informative).

1 Scope This Standard specifies the methods for determination of gold in gold jewellery alloys.

Remarks : The International Standards corresponding to this Standard are as follows.

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standards and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21**.

ISO 11426:1997 *Determination of gold in gold jewellery alloys—Cupellation method (fire assay)* (MOD)

ISO/DIS 15093:2001 *Determination of precious metals in 999‰ gold, platinum and palladium jewellery alloys by difference method using ICP-OES* (MOD)

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 K 0050 *General rules for chemical analysis*

JIS K 0116 *General rules for atomic emission spectrometry*

JIS K 8701 *Lead*

JIS Z 8401 *Guide to the rounding of numbers*

3 General items The general items common to the analytical method shall be as given in **JIS K 0050** and **JIS K 0116**.

4 Sampling and treating method of analytical specimen Sampling and treating method of analytical specimen shall be as follows: