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solder**

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Contents

		Page
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	General	1
4.1	General matters of chemical analysis	1
4.2	Precaution on safety	2
5	Sampling, handling and weighing of analysis sample	2
5.1	Sampling	2
5.2	Handling of sample	2
5.3	Weighing of sample	2
6	Expression of analysis values	2
6.1	Analysis cycles	2
6.2	Indication of analysis values	2
6.3	Blank test	3
7	Division of analysis methods	4
7.1	Lead (or nickel) reduction potassium iodate titration method	4
7.2	Potassium thiocyanate titration method	4
7.3	Potassium permanganate titration method	4
7.4	Atomic absorption spectrometry	4
7.5	Wavelength dispersive X-ray fluorescence analysis	4
7.6	ICP atomic emission spectrometry	4
7.7	Spark discharge atomic emission spectrometric analysis	4
8	Lead (or nickel) reduction potassium iodate titration method	8
8.1	Summary	8
8.2	Reagents	8
8.3	Apparatus	10
8.4	Amount of sample	11
8.5	Procedure	11
8.6	Blank test	13
8.7	Calculation	13
9	Potassium thiocyanate titration method	13
9.1	Summary	13
9.2	Reagents	13
9.3	Amount of sample	14
9.4	Procedure	14
9.5	Blank test	15

9.6	Calculation	15
10	Potassium permanganate titration method	15
10.1	Summary	15
10.2	Reagents	15
10.3	Amount of sample	16
10.4	Procedure	16
10.5	Blank test	17
10.6	Calculation	17
11	Atomic absorption spectrometry	17
11.1	Summary	17
11.2	Equipment	17
11.3	Determination of lead, antimony, copper, bismuth, indium, zinc, iron, cadmium and germanium	17
11.4	Determination of silver	22
11.5	Determination of aluminium	24
11.6	Determination of gold and nickel	26
12	Wavelength dispersive X-ray fluorescence analysis	28
12.1	Summary	28
12.2	Equipment	28
12.3	Preparation of sample	28
12.4	Weighing sample	29
12.5	Plotting the calibration graph	29
12.6	Determination	30
13	ICP atomic emission spectrometry	31
13.1	Summary	31
13.2	Equipment	31
13.3	Reagents	31
13.4	Amount of sample	34
13.5	Procedure	34
13.6	Blank test	35
13.7	Plotting the calibration graph	35
13.8	Calculation	36
14	Spark discharge atomic emission spectrometric analysis	36
14.1	Summary	36
14.2	Reagents	36
14.3	Equipment	36
14.4	Preparation of sample	36
14.5	Weighing sample	36
14.6	Procedure	37
14.7	Plotting the calibration graph	38
14.8	Determination	38

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 Welding Engineering Society (JWES)/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 Z 3910**:2008 is replaced with this Standard.

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Methods for chemical analysis of solder

1 Scope

This Japanese Industrial Standard specifies the methods for determination of alloy components (tin, silver, antimony, bismuth, copper, indium, zinc, nickel, germanium and lead) and of impurities (lead, silver, antimony, bismuth, copper, indium, zinc, nickel, iron, aluminium, arsenic, cadmium and gold) in the solder.

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 0301 *General rules for sampling, sample preparation and analytical testing of non-ferrous metals*

JIS H 0321 *General rules for inspection of non-ferrous metal materials*

JIS H 2105 *Pig lead*

JIS K 0050 *General rules for chemical analysis*

JIS K 0116 *General rules for atomic emission spectrometry*

JIS K 0119 *General rules for X-ray fluorescence analysis*

JIS K 0121 *General rules for atomic absorption spectrometry*

JIS K 0211 *Technical terms for analytical chemistry (General part)*

JIS K 1105 *Argon*

JIS Z 2611 *General rules for photoelectric emission spectrochemical analysis of metal materials*

JIS Z 3001-1 *Welding and allied processes—Vocabulary—Part 1: General*

JIS Z 3001-3 *Welding and allied processes—Vocabulary—Part 3: Soldering and brazing*

JIS Z 3282 *Soft solders—Chemical compositions and forms*

JIS Z 8401 *Guide to the rounding of numbers*

3 Terms and definitions

For the purposes of this Standard, the terms and definitions given in **JIS K 0211**, **JIS Z 3001-1** and **JIS Z 3001-3** apply.

4 General

4.1 General matters of chemical analysis

General matters of chemical analysis given in **JIS K 0050**, **JIS K 0116**, **JIS K 0119**, **JIS K 0121**, **JIS Z 2611**, and the following apply.