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**Oxygen free copper sheets, plates,
strips, seamless pipes and tubes,
rods, bars and wires for electron
devices**

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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 Japan Copper and Brass Association (JCBA)/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 3510:2006** is replaced with this Standard.

However, **JIS H 3510:2006** may be applied in the **JIS** mark certification based on the relevant provisions of Article 19 Clause 1, etc. of the Industrial Standardization Law until October 21, 2013.

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Oxygen free copper sheets, plates, strips, seamless pipes and tubes, rods, bars and wires for electron devices

1 Scope

This Japanese Industrial Standard specifies expanded oxygen free copper sheets, plates, strips, seamless pipes and tubes, rods, bars and wires for electron tubes (hereafter referred to as “plates”, “strips”, “tubes”, “bars” and “wires”).

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 0321 *General rules for inspection of non-ferrous metal materials*
- JIS H 0500 *Glossary of terms used in wrought copper and copper alloys*
- JIS H 0501 *Methods for estimating average grain size of wrought copper and copper alloys*
- JIS H 0505 *Measuring methods for electrical resistivity and conductivity of non-ferrous materials*
- JIS H 1051 *Methods for determination of copper in copper and copper alloys*
- JIS H 1053 *Methods for determination of lead in copper and copper alloys*
- JIS H 1058 *Methods for determination of phosphorus in copper and copper alloys*
- JIS H 1062 *Methods for determination of zinc in copper and copper alloys*
- JIS H 1064 *Method for determination of tellurium in copper*
- JIS H 1065 *Method for determination of selenium in copper and copper alloys*
- JIS H 1066 *Methods for determination of mercury in copper*
- JIS H 1067 *Methods for determination of oxygen in copper*
- JIS H 1068 *Methods for determination of bismuth in copper and copper alloys*
- JIS H 1069 *Methods for determination of cadmium in copper and copper alloys*
- JIS H 1070 *Methods for determination of sulfur in copper and copper alloys*
- JIS Z 2241 *Metallic materials—Tensile testing—Method of test at room temperature*
- JIS Z 2245 *Rockwell hardness test—Test method*
- JIS Z 2248 *Metallic materials—Bend test*

3 Terms and definitions

For the purposes of this Standard, the terms and definitions given in **JIS H 0500** apply.