

भारतीय मानक ब्यूरो

DRAFT FOR WIDE CIRCULATION

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भारतीय मानक मसौदा

तांबा और तांबा मिश्रधातु — औसत अनाज के आकार का अनुमान

Draft Indian Standard

Copper and copper alloys — Estimation of average grain size

ICS 77.040.99, 77.120.30

Metallography and Heat-Treatment
Sectional Committee, MTD 22

Last date for receipt of comments is
31st May 2024

NATIONAL FOREWORD

(formal clause will be added later)

The committee decided to adopt ISO 2624 : 1990 standard under dual numbering system.

The text of ISO standard has been approved as suitable for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical with those used in Indian Standard. Attention is especially drawn to the following:

- Wherever the words 'International Standard' appear referring to this standard, it should be read as 'Indian Standard'.
- Comma (,) has been used as a decimal marker while in Indian Standards the current practice is to use a point (.) as the decimal marker.

In reporting the results of a test or analysis made in accordance with this standard, is to be rounded off, it shall be done in accordance with IS 2 : 2022 'Rules for rounding off numerical-values (*second revision*)'.

The scope of the standard is as follows:

SCOPE

This International Standard specifies three procedures for estimating, and rules for expressing, the average grain size of copper and copper alloys consisting principally of a single phase. The respective procedures are termed the comparison procedure, the intercept procedure and the planimetric procedure.

The comparison procedure (comparing the specimen with a standard chart) is most convenient and is sufficiently accurate for most commercial purposes.

Higher degrees of accuracy in estimating grain size are obtainable by using the intercept (Heyn) or planimetric (Jeffries) procedures. In cases of dispute, it is recommended that the use of one of these procedures be agreed between the parties.

For material with non-equiaxial structures it is recommended that the intercept procedure be used.

The complete document/text ISO 2624 : 1990 'Copper and copper alloys — Estimation of average grain size' may be made available, on request to:

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