Indian Standard

IMPLANTS FOR SURGERY — METALLIC MATERIALS

PART 2 UNALLOYED TITANIUM

1 Scope

This part of ISO 5832 specifies the characteristics of, and corresponding test methods for, unalloyed titanium for use in the manufacture of surgical implants.

Provision is made for six grades of titanium based on tensile strength (see Table 2).

NOTE The mechanical properties of a sample obtained from a finished product made of this metal may not necessarily comply with those specified in this part of ISO 5832.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 6892:1998, Metallic materials — Tensile testing at ambient temperature.

ISO 7438:1995, Metallic materials — Bend test.

ASTM E 112:1988, Standard Test Methods for Determining Average Grain Size.