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भारतीय मानक मसौदा

चमड़े के लिए सूक्ष्म जैविक, रंग स्थिरता और

अणुविक्षण यंत्र संबंधी परीक्षण पद्धतियाँ

भाग 9 चमड़ा - रंग और रंग मापना

तैयार चमड़े का अंतर

Draft Indian Standard

**Methods of Micro-Biological, Colour Fastness
and Microscopical Tests for Leather**

**Part 9 Leather — Measuring the Colour and Colour
Difference of Finished Leather**

ICS 59.140.30

Leather, Tanning Materials and Allied Products,
Sectional Committee, CHD 17

Last Date for Comments: **4th December 2025**

Leather, Tanning Materials and Allied Products Sectional committee, CHD 17

NATIONAL FOREWORD

(Formal clause will be added later)

IS 6191: 1971 'Methods of micro-biological, colour fastness and microscopical tests for leather' prescribes various microbiological test methods, colour fastness test methods and test methods for the preparation of microscopical slides for assessment of leather, hides and skins. The Committee responsible for formulating this standard has decided to harmonize the methods of test prescribed in IS 6191 with those prescribed in ISO/IULTCS standards. Accordingly, the committee decided to retain IS 6191 and publish the harmonized/ adopted test methods published by ISO/IULTCS in various parts of IS 6191 as this standard is widely recognized by the Indian Leather Industry.

The technical committee responsible for formulation this standard decided to publish the latest version of ISO 22700 'Leather — Measuring the Colour and Colour Difference of Finished Leather' as Part 9 of IS 6191 which is the standard series for 'Methods of Micro-Biological, Colour Fastness and Microscopical Tests for Leather'.

This part specifies a method for the correct measurement of the colour of finished leather by instrumental means. The document describes general concepts of colour measurement adapted to leather and the calculation of differences in colour.

This Indian Standard is published in several parts. The other parts in this series are:

- Part 1 Colour fastness to water spotting
- Part 2 Colour fastness to water
- Part 3 Colour fastness to machine washing
- Part 4 Colour fastness to cycles of to-and-fro rubbing
- Part 5 Test for adhesion of finish
- Part 6 Colour fastness to perspiration
- Part 7 Colour Fastness to migration into polymeric material
- Part 8 Change in Colour with accelerated ageing

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

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- b) 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 this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their places, are listed below along with their degree of equivalence for the editions indicated:

International Standard	Corresponding Indian Standard	Degree of Equivalence
ISO 2419, <i>Leather — Physical and mechanical tests — Sample preparation and conditioning</i>	Doc No. CHD/17/ 26062 IS 5868 (Part 3) : 20XX/ISO 2419 : 2024 Leather — Methods of Sampling Part 3 Specimen and test piece conditioning for physical and mechanical tests	Identical

The technical committee has reviewed the provisions of the following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard.

<i>International Standard</i>	<i>Title</i>
ISO 11664-3,	Colorimetry — Part 3: CIE tristimulus values
ISO 11664-4,	Colorimetry — Part 4: CIE 1976 L*a*b* Colour space
ISO/CIE 11664-6	Colorimetry — Part 6: CIEDE2000 Colour-difference formula
EN 15987	Leather — Terminology — Key definitions for the leather trade

In this adopted standard, reference appears to certain International Standards where the standard atmospheric conditions to be observed are stipulated which are not applicable to tropical/subtropical countries. The applicable standard atmospheric conditions for Indian conditions are 27 ± 2 °C and 65 ± 5 percent, relative humidity and shall be observed while using this standard.

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

FOR COMPLETE TEXT OF THE DOCUMENT, KINDLY REFER ISO 22700:2019

Note: The technical content of the document has not been enclosed as these are identical with the corresponding ISO Standard. For obtaining the copy of the complete ISO Standard, please contact:

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