



SLOVENSKI STANDARD SIST EN ISO 2419:2003

01-februar-2003

Usnje - Fizikalni in mehanski preskusi - Priprava vzorca in kondicioniranje (ISO 2419:2002)

Leather - Physical and mechanical tests - Sample preparation and conditioning (ISO 2419:2002)

Leder - Physikalische und mechanische Prüfung - Probenvorbereitung und -konditionierung (ISO 2419:2002)

Cuir - Essais physiques et mécaniques - Préparation et conditionnement des échantillons (ISO 2419:2002)

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Ta slovenski standard je istoveten z: EN ISO 2419:2002

ICS:

59.140.30 Usnje in krzno Leather and furs

SIST EN ISO 2419:2003 en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 2419

December 2002

ICS 59.140.30

English version

Leather - Physical and mechanical tests - Sample preparation and conditioning (ISO 2419:2002)

Cuir - Essais physiques et mécaniques - Préparation et
conditionnement des échantillons (ISO 2419:2002)

Leder - Physikalische und mechanische Prüfungen -
Probenvorbereitung und Konditionierung (ISO 2419:2002)

This European Standard was approved by CEN on 8 June 2002.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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EN ISO 2419:2002 (E)

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Foreword

This document (EN ISO 2419:2002) has been prepared by Technical Committee CEN/TC 289 "Leather", the secretariat of which is held by UNI, in collaboration with the International Union of Leather Technologists and Chemists Societies (IULTCS).

It is based on Method IUP 1 and IUP 3 of the International Union of Leather Technologists and Chemists Societies.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2003, and conflicting national standards shall be withdrawn at the latest by June 2003.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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INTERNATIONAL
STANDARD

ISO
2419

IULTCS/
IUP 1 and IUP 3

Second edition
2002-12-15

**Leather — Physical and mechanical
tests — Sample preparation and
conditioning**

*Cuir — Essais physiques et mécaniques — Préparation et conditionnement
des échantillons*

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IULTCS/IUP 1 and IUP 3

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ISO 2419:2002(E)

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ISO 2419:2002(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 2419 was prepared by the Physical Test Commission of the International Union of Leather Technologists and Chemists Societies (IUP Commission, IULTCS) in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 289, *Leather*, the secretariat of which is held by UNI, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement). It is based on IUP 1 and IUP 3 originally published in *J. Soc. Leather Trades Chemists* **42**, p. 382, (1958) and **42**, p. 386, (1958) respectively and declared official methods of the IULTCS in 1959. Updated versions were published in *J. Soc. Leather Tech. Chem.* **82**, p. 199, (1998) and further revisions published in *J. Soc. Leather Tech. Chem.* **84**, p. 241, (2000) and reconfirmed as official methods in March 2001. This edition of ISO 2419 differs from the previous 1972 version in that there is additional information included on the design of press knives taken from IUP 1 and the wording for Standard Atmospheres has been amended.

This second edition cancels and replaces the first edition (ISO 2419:1972), which has been technically revised.

Leather — Physical and mechanical tests — Sample preparation and conditioning

1 Scope

This International Standard specifies the preparation of leather test pieces for physical and mechanical testing together with two standard atmospheres for conditioning and testing.

It is applicable to all types of dry leather.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1

atmosphere

ambient conditions defined by the parameters temperature and relative humidity

2.2

standard atmosphere

atmosphere maintained within prescribed tolerances, in which a test piece is kept for a given period of time before being subjected to testing. The air should be free moving to ensure uniformity of atmosphere

2.3

conditioning

operation designed to bring a test piece into a specified condition in relation to temperature and relative humidity by keeping it for a given period of time in the standard atmosphere with free access of moving air to all surfaces

3 Standard atmospheres

The standard atmosphere and tolerances shall be as given in Table 1.

Table 1 — Standard atmospheres and tolerances

Designation	Temperature	Relative Humidity
	°C	%
20/65	20 ± 2	65 ± 5
An alternative, but not equivalent, set of conditions may be used		
23/50	23 ± 2	50 ± 5

4 Design of press knives

The design of press knives is shown in Figure 1. The internal surfaces shall be perpendicular to the plane which contains the cutting edge. The angle formed between the internal and external surfaces of the press knife at the cutting edge shall be $20^\circ \pm 1^\circ$, and the wedge of this angle shall be of a depth (d) exceeding the thickness of the leather.

NOTE Hardened, knife grade steel is suitable for press knives.