

# IULTCS/IUC 11

Third edition  
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## Leather — Chemical tests — Determination of pH and difference figure

*Cuir — Essais chimiques — Détermination du pH et de l'indice de  
différence*



Reference numbers  
ISO 4045:2018(E)  
IULTCS/IUC 11:2018(E)

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## 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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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This document was prepared by the Chemical Tests Commission of the International Union of Leather Technologists and Chemists Societies (IUC 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 IUC 11 published in *J. Soc. Leather Tech. Chem.*, **49**, pp. 25–29, 1965, and declared an official method of the IULTCS in 1965.

IULTCS, originally formed in 1897, is a world-wide organization of professional leather societies to further the advancement of leather science and technology. IULTCS has three Commissions, which are responsible for establishing international methods for the sampling and testing of leather. ISO recognizes IULTCS as an international standardizing body for the preparation of test methods for leather.

This third edition cancels and replaces the second edition (ISO 4045:2008), which has been technically revised as follows:

- change in title to include “and difference figure”;
- [5.1](#) and [6.1](#) have been revised;
- [Clause 7](#) has been revised: two samples are only prepared when there is enough leather;
- [8.1](#) has been revised to more clearly explain the procedure;
- [8.2](#) has been added (previously part of the next clause);
- [8.3](#) and [8.4](#) (previously [8.2](#) and [8.3](#)) have been revised and the previous title of [8.4](#) deleted;
- [Clause 9](#) b) and d) have been revised.