
INTERNATIONAL STANDARD



4044

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION -МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ -ORGANISATION INTERNATIONALE DE NORMALISATION

Leather — Preparation of chemical test samples

Cuir — Préparation des échantillons pour essais chimiques

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[ISO 4044:1977](#)

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Descriptors : leather, chemical tests, test specimens, test specimen conditioning.

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 4044 was developed by Technical Committee ISO/TC 120, *Leather*, and was circulated to the member bodies in May 1976.

It has been approved by the member bodies of the following countries :

Australia	India	Poland
Brazil	Iran	Portugal
Canada	Ireland	South Africa, Rep. of
Chile	Israel	Spain
Czechoslovakia	Korea, Rep. of	Turkey
France	Mexico	U.S.S.R.
Germany	Netherlands	
Hungary	New Zealand	

No member body expressed disapproval of the document.

Leather – Preparation of chemical test samples

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1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies a method for the preparation of a test sample of leather for chemical analysis. The method is applicable to all leathers of all types and tannage.

2 PRINCIPLE

Grinding of pieces of the leather using a cutter mill.

3 APPARATUS

Cutter mill, having a knife rotational frequency of 700 to 1 000 min⁻¹* and a perforated sieving plate with 4 mm diameter perforations. The mill knives shall be sharpened as required.

NOTE – Mill, screen and catching base shall be thoroughly cleaned every time they have been used. Water should not be used for cleaning.

4 PREPARATION OF TEST SAMPLE

Before grinding, make the pieces of leather smaller by stamping or cutting into small pieces. The strips should measure about 10 mm. If the moisture content of the test pieces is greater than 30 %, pre-dry them at a temperature not exceeding 50 °C, and then condition at 20 °C and 65 % relative humidity for 24 h; reweigh and grind. On no account grind wet or damp leather in the mill.

NOTE – Cutting into very fine pieces can be used in certain cases.

5 STORAGE OF TEST SAMPLE

Mix the prepared test sample thoroughly and place it in a clean, dry, air-tight container. The container shall be kept away from localized sources of heat.

* 1 min⁻¹ corresponds to 1 revolution per minute.

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