



BSI Standards Publication

Leather — Chemicals — Quality control

National foreword

This British Standard is the UK implementation of EN 17848:2023.

The UK participation in its preparation was entrusted to Technical Committee TCI/69, Footwear & Leather.

A list of organizations represented on this committee can be obtained on request to its committee manager.

BSI, as a member of CEN, is obliged to publish EN 17848:2023 as a British Standard. However, attention is drawn to the fact that during the development of this European Standard, the UK committee voted against its approval.

The UK committee submitted a negative vote due to its opinions that:

- Clause 1, Scope, does not adequately establish the boundaries of the test method;
- Subclauses 3.1 and 3.2 do not clearly define the families of chemical products and characteristics; and
- some of the terminology used is not up-to-date.

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Amendments/corrigenda issued since publication

Date	Text affected
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English Version

Leather - Chemicals - Quality control

Cuir - Produits chimiques - Contrôle de la qualité

Leder - Chemikalien - Qualitätskontrolle

This European Standard was approved by CEN on 17 March 2023.

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European foreword

This document (EN 17848:2023) has been prepared by Technical Committee CEN/TC 289 “Leather”, the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by November 2023, and conflicting national standards shall be withdrawn at the latest by November 2023.

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Introduction

By recovering a valuable organic material, tanneries have historically set themselves the goal of developing and managing its transformation into a high value-added material.

Chemical products, which are fundamental in the various processing stages in order to obtain rot-proof and long-lasting durable leather, provide the aesthetic and chemical-physical properties that characterize its final use. Their characteristics and performance need to be ensured by a quality constancy, which can be assessed through appropriate analysis and controls.

1 Scope

This document provides a list of recommended tests that can be used to assess the quality of chemical products used in the leather manufacturing process.

This document is applicable to chemical products whose application has the same effect on leather, grouped in families.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

3.1 Families of chemical products

Chemical products whose application has the same effect on leather, grouped in families

3.1.1

base

chemical species or molecular entity having an available pair of electrons capable of forming a covalent bond with a hydron (proton) or with the vacant orbital of some other species

3.1.2

acid

chemical species or molecular entity capable of donating a hydron (proton) or capable of forming a covalent bond with an electron pair

3.1.3

inorganic salt

inorganic chemical compound consisting of an assembly of cations and anion

3.1.4

organic salt as masking agent

salified organic acids able to modify or mask the behaviour of chrome salts in coordinating with collagen

3.1.5

surfactant

degreasing agent

substances that have the property of lowering the surface tension of a liquid, facilitating the wettability of the surfaces or the miscibility between different liquids

3.1.6

enzymatic mixture

based on enzymatic principles such as protease or lipase used in the skin maceration or degreasing phase