
**Leather ስ Guidelines for packaging of
wet blue leather**

(Identical with ISO 11410:2021)

ICS: 59.140.30

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Foreword

This Ethiopian Standard has been prepared under the direction of Technical Committee for Leather and Leather Products (TC 74) and published by the Ethiopian Standards Agency (ESA).

The standard is identical with ISO 11410:2021 *Leather – Guidelines for packaging of wet blue leather*, published by the International Organization for Standardization (ISO).

For the purpose of this Ethiopian Standard, the adopted ISO text shall be modified as follows:

- The phrase “International Standard” shall be read as “Ethiopian Standard” and
- A full stop (.) shall substitute comma (,) as decimal maker.

Leather — Guidelines for packaging of wet blue leather

1 Scope

This document provides guidance and requirements for packing wet blue leather intended for transport and storage. This document is applicable to wet blue leather made out of goat skin, sheep skin, cow hide and buffalo hide.

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:

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

3.1

bundle

pack containing several pieces of wet blue leather wrapped together

Note 1 to entry: 12 pieces, or multiples thereof, per pack for small ovine skins. Six pieces, or multiples thereof, per pack for large bovine skins. Or, for an easier decimal calculation, 10 pieces, or multiples thereof, per pack for small ovine skins and five pieces, or multiples thereof, per pack for large bovine skins.

3.2

bundle slip

marking sheet tagged with a bundle that provides a description of the contents

Note 1 to entry: The contents of each bundle are described in terms of:

- a) grading;
- b) average size and number of pieces packed in the bundle;
- c) total area (m²);
- d) weight;
- e) origin and description (goat; sheep/lamb; cow; buffalo; other).

3.3

bundle size

maximum number of pieces that each bundle can accommodate for easy handling

Note 1 to entry: Care should be taken that the number of leathers packed in one bundle should not weigh more than 30 kg wherever there is manual handling. For mechanical handling, up to one ton can be packed per bundle.

Bibliography

- [1] ISO 3380, *Leather — Physical and mechanical tests — Determination of shrinkage temperature up to 100 °C*
- [2] ISO 4045, *Leather — Chemical tests — Determination of pH and difference figure*
- [3] ISO 5398-1, *Leather — Chemical determination of chromic oxide content — Part 1: Quantification by titration*
- [4] ISO 5431, *Leather — Wet blue goat skins — Specification*
- [5] ISO 5432, *Leather — Wet blue sheep skins — Specification*
- [6] ISO 5433, *Leather — Bovine wet blue — Specification*

Organization and Objectives

The Ethiopian Standards Agency (ESA) is the national standards body of Ethiopia established in 2010 based on regulation No. 193/2010. ESA is established due to the restructuring of Quality and Standards Authority of Ethiopia (QSAE) which was established in 1998.

ESA's objectives are:-

- ❖ Develop Ethiopian standards and establish a system that enable to check whether goods and services are in compliance with the required standards,
- ❖ Facilitate the country's technology transfer through the use of standards,
- ❖ Develop national standards for local products and services so as to make them competitive in the international market.

Ethiopian Standards

The Ethiopian Standards are developed by national technical committees which are composed of different stakeholders consisting of educational institutions, research institutes, government organizations, certification, inspection, and testing organizations, regulatory bodies, consumer association etc. The requirements and/or recommendations contained in Ethiopian Standards are consensus based that reflects the interest of the TC representatives and also of comments received from the public and other sources. Ethiopian Standards are approved by the National Standardization Council and are kept under continuous review after publication and updated regularly to take account of latest scientific and technological changes. Orders for all Ethiopian Standards, International Standard and ASTM standards, including electronic versions, should be addressed to the Documentation and Publication Team at the Head office and Branch (Liaisons) offices. A catalogue of Ethiopian Standards is also available freely and can be accessed in from our website.

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More Information?

Contact us at the following address.

The Head Office of ESA is at Addis Ababa.

☎ 011- 646 06 85, 011- 646 05 65

☎ 011-646 08 80

✉ 2310 Addis Ababa, Ethiopia

E-mail: info@ethiostandards.org,

Website: www.ethiostandards.org



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