

INTERNATIONAL STANDARD

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Tea sacks — Specification —

Part 2:

Performance specification for sacks for
palletized and containerized transport of tea

Sacs à thé — Spécifications —

*Partie 2: Spécifications de performance des sacs utilisés pour le transport
palettisé et conteneurisé du thé*



Foreword

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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.

International Standard ISO 9884-2 was prepared by Technical Committee ISO/TC 34, *Agricultural food products*, Subcommittee SC 8, *Tea*.

ISO 9884 consists of the following parts, under the general title *Tea sacks — Specification*:

- *Part 1: Reference sack for palletized and containerized transport of tea*
- *Part 2: Performance specification for sacks for palletized and containerized transport of tea*

Annexes A and B form an integral part of this part of ISO 9884. Annex C is for information only.

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Introduction

ISO 9884-1 specifies the materials, construction and dimensions of a reference sack which has been demonstrated by rigorous transport and storage trials to be suitable for the palletized and containerized transport of tea. Continuing development of improved materials is resulting in the availability of sacks of different materials and construction to serve this purpose. This part of ISO 9884 sets minimum requirements and performance tests to ensure that such sacks are equivalent or superior in performance to the reference sack. Guidance on the filling of tea sacks is given in annex C, for information only.

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Tea sacks — Specification —

Part 2:

Performance specification for sacks for palletized and containerized transport of tea

1 Scope

This part of ISO 9884 specifies requirements and tests to determine the suitability of sacks for the palletized and containerized transport of tea on standard pallets of standard unit load size in standard containers (see ISO 9884-1).

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1573:1980, *Tea — Determination of loss in mass at 103 °C*.

ISO 2758:—¹⁾, *Paper — Determination of bursting strength*.

ISO 4120:1983, *Sensory analysis — Methodology — Triangular test*.

ISO 4121:1987, *Sensory analysis — Methodology — Evaluation of food products by methods using scales*.

ISO 6590-1:1983, *Packaging — Sacks — Vocabulary and types — Part 1: Paper sacks*.

ISO 7965-1:1984, *Packaging — Sacks — Drop test — Part 1: Paper sacks*.

ISO 9884-1:1994, *Tea sacks — Specification — Part 1: Reference sack for palletized and containerized transport of tea*.

¹⁾ To be published. (Revision of ISO 2758:1983)

3 Definitions

For the purposes of this part of ISO 9884, the definitions given in ISO 6590-1 apply.

4 Requirements

4.1 Sack type

Sacks shall be constructed with flat hexagonal ends and shall consist of at least two plies.

4.2 Dimensions

The filled sack dimensions shall be as given in table 1 of ISO 9884-1:1994.

4.3 Construction materials

4.3.1 General

All materials used in the construction of the sack (paper, plastics, adhesive, barrier ply) shall be free from taint and/or odour. No materials containing chlorophenols or their derivatives shall be used.

4.3.2 Outer ply

The outer-ply material shall have a minimum wet burst index of 1,2 kN/g, when tested in accordance with ISO 2758.

4.3.3 Innermost ply

The inner ply shall be an aluminium-foil-coated barrier ply with the aluminium facing inwards, complying with ISO 9884-1, or of a material having a permeability to chlorophenol or chloroanisole not greater than that of the inner ply of a sack complying with ISO 9884-1, when tested by the method given in annex B.

4.4 Performance requirements

4.4.1 Drop test

When a minimum of three sacks filled with 60 kg of tea are dropped three times (once each on a face, butt and side) from a constant height of 3 m, in accordance with the method given in ISO 7965-1, there shall be no rupture of sacks resulting in loss of contents.

4.4.2 Transport trials

Sacks shall match or surpass the performance of reference sacks (see ISO 9884-1) throughout a minimum of 6 months of intercontinental transport trials carried out in accordance with annex A.

5 Test report

The test report may be used by a sack manufacturer to certify that a sack conforms to the requirements of this specification. It shall specify the following details.

- a) Sack specification:
 - 1) materials;
 - 2) construction (number and type of plies);
 - 3) dimensions.