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Traditional Chinese medicine — *Schisandra chinensis* (Turcz.) Baill. seeds and seedlings

Médecine traditionnelle chinoise — Graines et plants de Schisandra chinensis (Turcz.) baill.

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Foreword

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This document was prepared by ISO/TC 249, *Traditional Chinese medicine*.

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Traditional Chinese medicine — *Schisandra chinensis* (Turcz.) Baill. seeds and seedlings

1 Scope

This document specifies minimum requirements and test methods for *Schisandra chinensis* (Turcz.) Baill. seeds and seedlings.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

International Seed Testing Association (ISTA):2016, *International Rules for Seed Testing*

International Seed Testing Association (ISTA), *Working Sheets on Tetrazolium Testing*

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 http://www.electropedia.org/

— ISO Online browsing platform: available at http://www.iso.org/obp

3.1
lot
specified quantity of seeds or seedlings that are physically and uniquely identifiable

3.2
primary sample
portion taken from the *lot* (3.1) during one single sampling action

3.3
composite sample
formed by combining and mixing all the *primary samples* (3.2) taken from the *lot* (3.1)

3.4
test sample
portion of the *composite sample* (3.3) to which one of the test required in this document is applied

Note 1 to entry: The *test samples* (3.4) may be packed in different materials meeting conditions for specific tests [e.g. moisture or *purity* (3.6)].

3.5
sealed
condition whereby a container which contains seeds is closed in such a way that it cannot be opened to get access to the seed and be closed again without either destroying the seal or leaving evidence of tampering

Note 1 to entry: This definition refers to the sealing of seed lots, as well as of seed samples.

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3.6
purity
weight of pure seed fraction over the total weight of the *test sample* (3.4) in per cent

Note 1 to entry: The pure seed refers to the species stated by the applicant, or found to predominate in the test, and includes all botanical varieties and cultivars of that species.

3.7
1 000-seed weight
average weight of every 1 000 pure seeds of a *test sample* (3.4)

3.8
seed width
largest distance from the side of raphe to its opposite, in millimetre

Note 1 to entry: See Figure 1.

3.9
viability
index to show the potential ability of seed to germinate, or the capability of embryo to live

Note 1 to entry: It is expressed as the percentage of stained seeds in the *test sample* (3.4).

Note 2 to entry: It is estimated by the method of Topographical Tetrazolium Test.

3.10
stratification rate
percentage of stratified seed, determined by number, in the *test sample* (3.4)

Note 1 to entry: Stratified seed is the seed with embryos fully grown, endosperm volume expanded, seed coat longitudinally fissured through the raphe by after-ripening treatment (see Figure 1).

3.11
stem diameter
boundary of aboveground and belowground of the seedling

Note 1 to entry: See Figure 2.

3.12
height of stem
length of the stem from the root to the top hibernaculum

Note 1 to entry: See Figure 2.

3.13
seedling weight
average weight of a single seedling

4 Description

4.1 *Schisandra chinensis* seeds

In this document, *Schisandra chinensis* seed is the dehydrated seed of *Schisandra chinensis* (Turcz.) Baill. consisting of three basic parts: embryo, endosperm and seed coat, as shown in Figure 1.

NOTE Annex A provides information on how to identify a *Schisandra chinensis* seed.

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