International Standard

ISO 19836

Traditional Chinese medicine — *Platycodon grandiflorus* root

Médecine traditionnelle chinoise — Racine de Platycodon grandiflorus

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 249, *Traditional medicine*, Subcommittee SC 1, *Traditional Chinese medicine*.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

Platycodon grandiflorus root, the dried root of *Platycodon grandiflorus* (Jacq.) A. De Candolle (Fam. Campanulaceae), was first recorded in *Shengnong Bencao* in China and has a long history as a traditional herbal medicine. It can improve the function of the lung and the pharynx and help relieve phlegm and suppuration; it is used in the therapeutic treatment of cough, phlegm, sore throat and other pulmonary or respiratory disorders. As a medicinal food homology species, *Platycodon grandiflorus* root has been used as food and medicine for thousands of years in Asian countries, such as China, Japan and the Republic of Korea.

The quality of *Platycodon grandiflorus* root is crucial for its efficacy and safety. Although *Platycodon grandiflorus* root has been recorded in Chinese Pharmacopoeia,[1] Japanese Pharmacopoeia,[2] Korean Pharmacopoeia,[3] British Pharmacopoeia[4] and European Pharmacopoeia,[5] there have been no unique requirements for *Platycodon grandiflorus* root. The establishment of an international standard for *Platycodon grandiflorus* root, therefore, can help to promote international trade.

As national implementation can differ, national standards bodies can modify the value given in 5.6 in their national standards. Examples of national and regional values are given in Annex D.

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Traditional Chinese medicine — *Platycodon grandiflorus* root

1 Scope

This document specifies the minimum requirements and test methods for *Platycodongrandiflorus* root.

It is applicable to *Platycodon grandiflorus* roots that are sold and used as natural medicines in international trade, including Chinese material medica (whole medicinal material) and decoction pieces derived from this plant.

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.

ISO 18664, *Traditional Chinese Medicine — Determination of heavy metals in herbal medicines used in Traditional Chinese Medicine*

ISO/TS 21310, *Traditional Chinese medicine — Microscopic examination of medicinal herbs*

ISO 21371, *Traditional Chinese medicine — Labelling requirements of products intended for oral or topical use*

ISO 22217, *Traditional Chinese medicine —Storage requirements for raw materials and decoction pieces*

ISO 22258, *Traditional Chinese medicine — Determination of pesticide residues in natural products by gas chromatography*

ISO 22590, *Traditional Chinese medicine — Determination of sulfur dioxide in natural products by titration*

ISO 23723, *Traditional Chinese medicine — General requirements for herbal raw material and materia medica*

3 Terms and definitions

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

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

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

— IEC Electropedia: available at https://www.electropedia.org/

3.1
***Platycodon grandiflorus* root**
dried root of *Platycodon grandiflorus* (Jacq.) A. DC.

3.2
marker compound
chemical constituent within a medicinal herb that can be used to verify its quality

4 Description

Platycodon grandiflorus root is the dried root of *Platycodon grandiflorus* (Jacq.) A. DC. in the family of Campanulaceae, as shown in Figure 1.

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