
**Traditional Chinese medicine —
Scutellaria baicalensis root**

Médecine traditionnelle chinoise — Racine de Scutellaria baicalensis



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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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 documents 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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 249, *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.

Introduction

Scutellaria baicalensis is a traditional herbal medicine with the common name Baikal skullcap or Chinese skullcap. It is a species of flowering plant of the genus *Lamiaceae*, widely distributed in China, the Russian Federation, Mongolia and the Democratic People's Republic of Korea. It is one of the 50 fundamental herbs used in traditional Chinese medicine and is known as huángqín (黄芩) in Chinese. Its root is the main medicinal part.

As a traditional Chinese herbal medicine, *Scutellaria baicalensis* has shown significant effects in the treatment of various diseases and conditions, including insomnia, anxiety, stroke, fever, high cholesterol, atherosclerosis, rabies, epilepsy, nervous tension, allergies, skin infections, inflammation and spasms. It is also used for the treatment of hepatitis, atherosclerosis, hypertension, hyperlipidemia, type 2 diabetes, dysentery, ulcerative colitis and respiratory disorders.

The purpose of this document is to provide systematic and comprehensive methods for the quality control of *Scutellaria baicalensis* for direct medicinal and pharmaceutical use.

As national implementation can differ, national standards bodies are invited to modify the values given in [5.4](#) and [5.5](#) in their national standards. Examples of national and regional values are given in [Annex C](#).

Traditional Chinese medicine — *Scutellaria baicalensis* root

1 Scope

This document specifies minimum requirements and test methods for root of *Scutellaria baicalensis*, which is derived from cultivated *Scutellaria baicalensis* Georgi.

This document applies to *Scutellaria baicalensis* root that are sold and used as natural medicines in international trade, including Chinese materia medica (whole medicinal materials) 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 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

batch

samples of no more than 5 000 kg collected from the same particular place at the same time

[SOURCE: ISO 23972:2021,3.1]

4 Descriptions

The plant and dried *Scutellaria baicalensis* root are shown in [Figure 1](#).