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**Traditional Chinese medicine —  
*Lonicera japonica* flower**

*Médecine traditionnelle chinoise — Fleur de Lonicera japonica*



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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](http://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](http://www.iso.org/patents)).

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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](http://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](http://www.iso.org/members.html).

## Introduction

*Lonicera japonica* flower is the dried flower bud or flower starting to bloom of *Lonicera japonica* Thunb., which is recorded in the Chinese, South Korean, Japanese and United States Pharmacopeias. *Lonicera japonica* flower is internationally recognized as a traditional Chinese herbal medicine, and there is great demand for it in the international market. However, there are many problems seriously affecting the international trade of *Lonicera japonica* flower, including the following.

- 1) Quality requirements for *Lonicera japonica* flower are different among different countries and regions.
- 2) *Lonicera japonica* flower is often substituted with fake and inferior versions.
- 3) Different collecting times, processing methods, packaging, transportation and storage conditions often result in different qualities of *Lonicera japonica* flower.

Therefore, the establishment of an international standard for *Lonicera japonica* flower is necessary to guarantee the quality, safety and consistency of this valuable herbal medicine. This document includes sections on morphology evaluation, physicochemical indexes and heavy metals content.

As national implementation may differ, National Standards Bodies are invited to modify the values given in [5.4](#), [5.5](#), [5.6](#), [5.7](#), [5.9](#) and [5.10](#) in their national standards. Examples of national and regional values are given in [Annex D](#).



# Traditional Chinese medicine — *Lonicera japonica* flower

## 1 Scope

This document specifies minimum requirements and test methods for *Lonicera japonica* flower, which is derived from the plant *Lonicera japonica* Thunb. It is applicable to *Lonicera japonica* flower that is sold and used as traditional Chinese medicine.

## 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 1575, *Tea — Determination of total ash*

ISO 1577, *Tea — Determination of acid-insoluble ash*

ISO 1666, *Starch — Determination of moisture content — Oven-drying method*

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

World Health Organization. 2011, *Quality control methods for herbal materials, General advice on sampling*

CODEx STAN 1: 1985, *Codex general standard for the labeling of prepackaged foods*

## 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

#### ***Lonicera japonica* flower**

dried flower bud or flower starting to bloom of *Lonicera japonica* Thunb.

### 3.2

#### **chlorogenic acid content**

mass fraction of chlorogenic acid in the sample determined in accordance with [Annex B](#)

### 3.3

#### **luteoloside content**

mass fraction of luteoloside in the sample determined in accordance with [Annex C](#)

### 3.4

#### **dilute ethanol-soluble extract**

mass fraction of extract obtained from the sample using the method specified in [7.6](#)