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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/ Figure/Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



DRAFT International Standard

Traditional Chinese medicine — *Curculigo orchoides* rhizome

ICS: 11.120.10

ISO/DIS 25657

ISO/TC 249/SC 1

Secretariat: **SAC**

Voting begins on:
2025-11-03

Voting terminates on:
2026-01-26

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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 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).

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).

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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.

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

A list of all parts in the ISO 25657 series can be found on the ISO website.

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

Curculigo orchioidea rhizome is the dried rhizome of *Curculigo orchioidea* Gaertn. (Fam. Amaryllidaceae), which is known as *Xian Mao* (仙茅) in Chinese pinyin, *Curculiginis*, *Kali Musli* available in international markets, which has a long history of medicinal use and a wide range of clinical applications in China, Japan, Korea, Vietnam, Myanmar, India and other East Asian countries. *Curculigo orchioidea* rhizome is considered to have attributes beneficial to the kidney and liver channels, and it is traditionally valued and reported for treating impotence, limb limpness, arthritis of the lumbar and knee joints and watery diarrhea.

Curculigo orchioidea rhizome has a complex chemical composition, including various constituents such as phenols and phenolic glucosides, norlignans, terpenoids, alkaloids, and flavones. Modern pharmacological studies have reported that phenols and phenolic glucosides, norlignans, and terpenoids are the main active constituents in *Curculigo orchioidea* rhizome for enhancing adaptive effects, increasing immunomodulation, having anti-oxidant, anti-osteoporosis, hepatoprotective, estrogenic activities and the effects on sexual behaviour.

In global trade, taking Chinese customs data as an example, there is a relatively large demand for *Curculigo orchioidea* rhizome in the Chinese Materia Medica market at home and abroad, 200 tons to 300 tons per year (2017~2022) of *Curculigo orchioidea* rhizome is exported to Japan, Korea, Hongkong of China, and other counties and regions. In addition, 1,000 tons per year (2017~2022) of *Curculigo orchioidea* rhizome is imported from Myanmar and Vietnam.

As a globally used herbal medicine, *Curculigo orchioidea* rhizome has been widely used in polyherbal formulations in Traditional Chinese, Kampo and Indian medicines, it also has been included in the pharmacopoeia of many countries and regions, such as the *Chinese Pharmacopoeia* (2020 edition)^[1], the *Korean Herbal Pharmacopoeia* (4th edition)^[2], the *Hong Kong Chinese Materia Medica Standards* (Volume 4)^[3], and the *Ayurveda Pharmacopoeia of India* (Part I, Volume 4)^[4] however, specifications and quality requirements in these standards are different, a unified international standard of *Curculigo orchioidea* rhizome has not yet come into being.

Additionally, the quality of *Curculigo orchioidea* rhizome provided from different areas varies a lot. *Curculigo orchioidea* rhizome is ranked a relatively high priority in the priority list single herbal medicines for developing standards in ISO/TR 23975:2025 ^[5]. Thus, there is a clear and urgent need to develop an international standard for harmonizing these existing standards, as well as ensuring the safety and effectiveness of *Curculigo orchioidea* rhizome.

As national implementation can differ, national standards bodies are invited to modify the values given in 5.6 and 5.8 in their national standards. Examples of national and regional values are given in Annex D.

Traditional Chinese medicine — *Curculigo orchioides* rhizome

1 Scope

This document specifies the quality and safety requirements and test methods of *Curculigo orchioides* rhizome, which is derived from the dried rhizome of *Curculigo orchioides* Gaertn. (Fam. Amaryllidaceae).

This document is applicable to *Curculigo orchioides* rhizome that are sold and used as natural medicines in international trade, including Chinese materia 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 21317, *Traditional Chinese medicine — Lonicera japonica flower*

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

The Terms and definitions clause is a mandatory element of the text.

For rules on the drafting of the Terms and definitions, refer to the [ISO/IEC Directives, Part 2:2018, Clause 16](#).

To insert a new terminological entry, go to the *Structure* tab and click on *Insert Term entry*.

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

Curculigo orchioides rhizome

dried rhizome of *Curculigo orchioides* Gaertn. (Fam. Amaryllidaceae)