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Interested committees:

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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.

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Submission of Comments

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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

ISO/DIS 22212

Traditional Chinese medicine — *Gastrodia elata* tuber

Médecine traditionnelle chinoise — Tubercule de Gastrodia elata

ICS: 11.120.10

ISO/TC 249

Secretariat: **SAC**

Voting begins on:
2025-05-07

Voting terminates on:
2025-07-30

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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).

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

This second edition cancels and replaces the first edition (ISO 22212:2019) which has been technically revised.

The main changes are as follows:

- [5.3](#) change "15,0 %" to "16,0 %";
- [5.4](#) change "4,5 %" to "6,0 %";
- [5.5](#) change "15,0 %" to "14,0 %";
- [5.6](#) correct "brands" to "bands", replace "obtained from the test and reference solutions in the same position with the same colour" with "specific to these compounds";
- [5.9](#) change "shall" to "should";
- [5.10](#): change "shall" to "should";
- [7.3](#): replace "ISO 1575" to "ISO 23723";
- [7.8](#): replace "CAC/MRL01-2009 and CODEX STAN 229-1993, REV.1-2003" with "ISO 22258";
- [7.9](#): replace "ISO 5379" to "ISO 22590";
- [E.3.6](#): change "µL" to "µl";
- [Table F.1](#): update Chinese Pharmacopoeia to 2020 edition, update Korean Pharmacopoeia to the 12th edition;
- Bibliography: update Chinese Pharmacopoeia to 2020 edition, update Korean Pharmacopoeia to the 12th edition.

ISO/DIS 22212:2025(en)

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

Gastrodia elata tuber, the dried tuber of *Gastrodia elata* Bl. (Orchidaceae) after it has been steamed thoroughly, is a medicinal herb which has been used as an anticonvulsant, analgesic and sedative to treat general paralysis, epilepsy, tetanus and vertigo in Asian countries for thousands of years.

There are at least 16 countries and regions using *Gastrodia elata* tuber and its products. Major users include China, Japan, South Korea, the United State, Australia, Austria and Singapore. Due to its great demand and high price in the global market, trade in *Gastrodia elata* tuber has been complicated by adulteration, substitution and species identification issues. The toxic roots of other species, such as the plants of the Phytolaccaceae family, are sometimes misused as *Gastrodia elata* tuber, which can cause health risks. Factors including contamination, packaging and storage conditions also affect the quality of *Gastrodia elata* tuber.

The establishment of an international standard for *Gastrodia elata* tuber is therefore necessary to support its quality consistency, clinical effectiveness and safety in international trade.

As national implementation may differ, National Standards Bodies are invited to modify the values given in [5.3](#), [5.4](#), [5.5](#) and [5.7](#) in their national standards. Examples of national and regional values are given in [Annex F](#).