

ISO 7450:2023-10 (E)

Traditional Chinese medicine - *Pinellia ternata* tuber

Contents		Page
Foreword		v
Introduction		vi
1 Scope		1
2 Normative references		1
3 Terms and definitions		1
4 Description		2
5 Quality and safety requirements and recommendations		3
5.1 General characteristics.....		3
5.2 Morphological features of the tuber.....		3
5.2.1 Raw <i>Pinellia ternata</i> tuber.....		3
5.2.2 Licorice-limewater-processed <i>Pinellia ternata</i> tuber.....		4
5.2.3 Ginger-alum-processed <i>Pinellia ternata</i> tuber.....		4
5.2.4 Alum-processed <i>Pinellia ternata</i> tuber.....		4
5.3 Microscopic characteristics.....		5
5.3.1 Raw <i>Pinellia ternata</i> tuber.....		5
5.3.2 Processed <i>Pinellia ternata</i> tuber.....		5
5.4 Moisture.....		5
5.4.1 Raw <i>Pinellia ternata</i> tuber.....		5
5.4.2 Processed <i>Pinellia ternata</i> tuber.....		5
5.5 Total ash.....		6
5.5.1 Raw <i>Pinellia ternata</i> tuber.....		6
5.5.2 Licorice-limewater-processed <i>Pinellia ternata</i> tuber.....		6
5.5.3 Ginger-alum-processed <i>Pinellia ternata</i> tuber.....		6
5.5.4 Alum-processed <i>Pinellia ternata</i> tuber.....		6
5.6 Water-soluble extract.....		6
5.6.1 Raw <i>Pinellia ternata</i> tuber.....		6
5.6.2 Processed <i>Pinellia ternata</i> tuber.....		6
5.7 Thin-layer chromatogram identification.....		6
5.8 Alum.....		6
5.8.1 Ginger-alum-processed <i>Pinellia ternata</i> tuber.....		6
5.8.2 Alum-processed <i>Pinellia ternata</i> tuber.....		6
5.9 Heavy metals.....		6
5.10 Pesticide residue.....		6
5.11 Sulfur dioxide.....		6
5.12 Microbial contamination.....		7
5.13 Grading information.....		7
6 Sampling		7
7 Test methods		7
7.1 Macroscopic identification.....		7
7.2 Determination of moisture content.....		7
7.3 Determination of total ash content.....		7
7.4 Water-soluble extractives.....		7
7.5 Thin-layer chromatogram identification.....		7
7.6 Determination of alum contents.....		7
7.7 Determination of heavy metals contents.....		7
7.8 Determination of pesticide residues contents.....		7

7.9	Determination of sulfur dioxide contents	7
7.10	Determination of microbial contamination	7
8	Test report	8
9	Packaging, storage and transportation	8
10	Labelling	8
Annex A (informative)	Determination of water-soluble extractives	9
Annex B (informative)	Thin-layer chromatogram identification	10
Annex C (informative)	Determination of alum contents	12
Annex D (informative)	Example of traditional grades information of <i>Pinellia ternata</i> tuber	13
Annex E (informative)	Referenced values of raw and processed <i>Pinellia ternata</i> tuber in different countries and regions	14
Bibliography	16