

ISO 21315:2026-02 (E)

Traditional Chinese medicine - *Ganoderma lucidum* fruiting body

Contents

Page

| | |
|--|----|
| Foreword..... | iv |
| Introduction..... | v |
| 1 Scope..... | 1 |
| 2 Normative references..... | 1 |
| 3 Terms and definitions..... | 1 |
| 4 Descriptions..... | 2 |
| 5 Quality and safety requirements and recommendations..... | 2 |
| 5.1 General characteristics..... | 2 |
| 5.2 Morphological features..... | 2 |
| 5.3 Identification..... | 3 |
| 5.3.1 Thin-layer chromatography (TLC) identification..... | 3 |
| 5.3.2 High performance liquid chromatography (HPLC) identification..... | 3 |
| 5.4 Moisture..... | 3 |
| 5.5 Total ash..... | 3 |
| 5.6 Water-soluble extractives..... | 3 |
| 5.7 Marker compounds..... | 3 |
| 5.8 Heavy metals..... | 3 |
| 5.9 Pesticide residues..... | 3 |
| 6 Sampling..... | 3 |
| 7 Test methods..... | 3 |
| 7.1 Macroscopic identification..... | 3 |
| 7.2 Identification..... | 4 |
| 7.2.1 Thin-layer chromatography (TLC) identification..... | 4 |
| 7.2.2 High performance liquid chromatography (HPLC) identification..... | 4 |
| 7.3 Determination of moisture..... | 4 |
| 7.4 Determination of total ash..... | 4 |
| 7.5 Determination of water-soluble extractives..... | 4 |
| 7.6 Determination of marker compounds..... | 4 |
| 7.7 Determination of heavy metals..... | 4 |
| 7.8 Determination of pesticide residues..... | 4 |
| 8 Test report..... | 4 |
| 9 Packaging, storage and transportation..... | 5 |
| 10 Marking and labelling..... | 5 |
| Annex A (informative) Thin-layer chromatography (TLC) identification..... | 6 |
| Annex B (informative) Determination of polysaccharides..... | 8 |
| Annex C (informative) Determination of ganoderic acid A..... | 10 |
| Annex D (informative) National and regional quality requirements for <i>Ganoderma lucidum</i> fruiting body..... | 14 |
| Bibliography..... | 15 |