ISO 17317:2026-06 (E)

Biodiversity - Requirements and guidelines for the characterization of native species and products derived from native species

Contents

Page

Foreword ..... **v**

Introduction ..... **vi**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Sustainable management of natural resources **3**
4.1 General 3
4.2 Biodiversity conservation and management 5
4.2.1 General 5
4.2.2 Native species collection 6
4.2.3 Cultivation of native species 6
4.2.4 Management of forests and other ecosystems 7
4.3 Conservation of aquatic systems 7
4.4 Phytosanitary measures 8
4.5 Greenhouse gas management 8
4.6 Market requirements 9
4.7 Sustainable use of native species in primary forests 9
4.8 Products derived from native species originating in forests and other ecosystems 9
4.9 Land-use changes 9
4.10 Engagement with indigenous peoples and local communities 10
4.11 Land tenure and rights 10
4.12 Respect and conservation of traditional knowledge and practices 10

5 Prioritization of the product: Risks and opportunities from a market perspective **10**
5.1 General 10
5.2 Market analysis 11
5.3 Market intelligence 12

6 Product characterization **13**
6.1 General 13
6.2 Literature review and systematization 13
6.2.1 General 13
6.2.2 Step one: Botanical and fungi identification 14
6.2.3 Step two: Prospecting 14
6.2.4 Step three: Properties 15
6.2.5 Step four: Databases 16
6.3 Identifying Native species and products derived from native species 17
6.3.1 General 17
6.3.2 Morphology and physical characteristics 18
6.3.3 Composition 18
6.3.4 Sensory characteristics 19
6.3.5 Microbiology 19
6.3.6 Contaminants 19
6.4 Methodology 20
6.4.1 Methodological framework for determining quality parameters and their categories 20
6.4.2 Laboratory methods and metrology 26
6.5 Documents and publication of results 27

7 Biodiversity-responsible value chain **27**

7.1 Monitoring of biodiversity 27
7.1.1 General 27
7.1.2 Monitoring biodiversity 29
7.1.3 Monitoring of biodiversity performance of the supply chain 29
7.2 Respecting limit values to avoid overexploitation 30
7.3 Identifying negative impacts in the life cycle of a product 30
7.4 Traceability from the shop to the origin 31
7.5 Information and awareness raising of consumers 31
Annex A (informative) **Good practices and tools for measuring elements of biodiversity, and collecting species and ecosystem data** **32**
Bibliography **35**