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Technical Standard of International Seabuckthorn Association

团体标准

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沙棘叶原料

(Standard for raw materias of
seabuckthorn leaf)

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Content

Introduction	2
1 Range	3
2 Normative reference documents	3
3 Terms and definitions.....	3
4 Requirements	4
4.1 Basic Requirements.....	4
4.2 Sensory quality requirements.....	4
5 Characteristic Indicators.....	4
6 Physical and Chemical indexes.....	4
7 Safety Specifications.....	5
8 Detection Methods	5
8.1 Sensory quality shall be performed in accordance with GB/T 23776.....	5
8.2 Characteristic Indicators.....	5
8.3 Physical and Chemical Specifications.....	5
9 Packaging, transportation and storage.....	5
9.1 Packaging.....	5
9.2 Transportation	5
9.3 Storage	6

Introduction

In order to make enterprises in the organization of production, sales, management have a basis to ensure and stabilize the quality of seabuckthorn leaf raw materials, this standard is formulated. According to the shape characteristics of Seabuckthorn leaves and the relevant domestic and foreign standards, the indicators of seabuckthorn leaf raw materials are specified. This standard is drafted in accordance with the rules of GB/T 1.1-2020 "Standardization Work Guidelines Part I: Standard Structure and Preparation".

This standard is compiled by the International Sea Buckthorn Association.

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1 Range

This standard specifies the sensory quality, technical requirements, inspection methods, packaging and marking, transportation and storage requirements of seabuckthorn leaf raw materials.

This standard is applicable to dried seabuckthorn leaves which are processed with fresh seabuckthorn leaves as raw material for preparing seabuckthorn leaf tea or as raw material for extract or as raw material for product processing.

2 Normative reference documents

The following documents are essential for the application of this standard. For dated references, this standard applies only to the dated version. For undated references, the most recent version (including all amendment orders) applies to this standard.

GB 2762 National standard for Food safety Limit of contaminants in food

GB 2763 National standard for Food safety Maximum residue limit of pesticides in food

GB 5009.3 Determination of moisture in food under national standard for Food safety

GB 5009.4 National Standard for Food safety - Determination of ash in food

GB 5009.5 Determination of protein in food of national standard for food safety

GB/T 8305 tea extract determination

GB/T 8310 tea crude fiber determination

Determination of total flavone content of seabuckthorn in Pharmacopoeia of the People's Republic of China (2020 edition)

GB/T 14487 Terms for sensory evaluation of tea

GB/T 23776 Method for sensory evaluation of tea

GB/T 30375 tea storage

State General Administration of Quality Supervision, Inspection and Quarantine [2005] Order No. 75 Quantitative Packaging Commodity measurement supervision and administration Measures

Decision of the General Administration of Quality Supervision, Inspection and Quarantine [2009] No. 123 on amending the Provisions on the Administration of Food Labeling

3 Terms and definitions

Raw materials of seabuckthorn leaf

The fresh sea buckthorn leaves picked as raw materials are processed by sorting to remove impurities, rinsing (or not rinsing), green (or not rinsing), drying and other processes for the preparation of sea buckthorn leaf tea or as extract raw materials or as raw materials for product

processing.

4 Requirements

4.1 Basic Requirements

There should be no visible impurities, no moth, no rot, no mildew phenomenon.

4.2 Sensory quality requirements

The sensory quality shall conform to the requirements of Table 1.

Table 1 Sensory quality requirements

Colour and lustre	Yellow-white or yellow-green or green
appearance	It is often lanceolate, and the leaf shape is relatively complete
Smell, taste	With seabuckthorn leaf inherent smell, taste, no odor

5 Characteristic Indicators

The characteristic indicators shall comply with the provisions of Table 2.

Table 2 Requirements for characteristic indicators

item	index
Total flavonoids (in rutin) (%)	≥ 1.5
Protein(%)	≥ 13.0

6 Physical and Chemical indexes

Physical and chemical indexes should conform to the provisions of Table 3.

Table 3 Physical and chemical specifications requirements

item	index
Moisture content (%)	≤ 8.5
Water extract (%)	≥ 30.0
Total ash content (%)	≤ 7.5
Crude fiber (%)	≤ 15.0

7 Safety Specifications

The limit of contaminants in food shall be implemented in accordance with the relevant provisions of tea in GB 2762.

The maximum residue limits of pesticides in food shall be implemented in accordance with the relevant provisions of tea in GB 2763.

8 Detection Methods

8.1 Sensory quality shall be performed in accordance with GB/T 23776.

8.2 Characteristic Indicators

8.2.1 Total flavonoids shall be executed in accordance with the provisions of "Sea buckthorn" in the Pharmacopoeia of the People's Republic of China (2020 Edition).

8.2.2 Protein shall be carried out in accordance with GB 5009.5.

8.3 Physical and Chemical Specifications

8.3.1 Moisture shall be subject to GB 5009.3.

8.3.2 Water extract shall be carried out in accordance with GB/T 8305.

8.3.3 Total ash shall be carried out in accordance with GB 5009.4.

8.3.4 Coarse fibers shall be carried out in accordance with GB/T 8310.

9 Packaging, transportation and storage

9.1 Packaging

9.1 Packaging materials shall be clean, dry and odorless; The packing should be firm and clean, and easy to handle, store and transport.

9.2 Transportation

9.2.1 The means of transport shall be clean, dry, odorless and pollution-free.

9.2.2 Precautions against rain and moisture should be taken during transportation.

9.2.3 It shall not be mixed with poisonous, harmful, smelly and easily polluted articles.

9.3 Storage

Shall comply with GB/T 30375.