

ICS 67.080.20

CCS B 31



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 12532-2008

Replacing GB/T 12532-1990

Determination of total ash content in edible mushroom

食用菌灰分测定

(English Translation)

Issued on: August 7, 2008

Implemented on: December 1, 2008

Issued by: Standardization Administration of China

Table of Contents

- Foreword
- 1 Scope
- 2 Terms and definitions
- 4 Instruments and equipment
- 5 Measuring step
- 5.1 Sampling
- 5.2 Crucible constant weight

Foreword

This standard replaces GB/T 12532-1990 "Edible Determination of ash." this standard and GB/T 12532-1990 compared to major changes are as follows.

- According to GB/T 1.1-2000 "Standardization Guide Part 1. Standard structure and write rules" of standard text format it has been revised;
- The standard formerly known by the English name "Determination of ash in edible fungi" to "Determination of ash content in edible mushroom";
- Scope from "Edible" to "edible mushrooms and their products";
- Remove the "reference standard";
- Added "sampling" requirement;
- Modify ashing temperature "600 °C" is $525\text{ °C} \pm 25\text{ °C}$;
- Modify sample weight "2g ~ 10g" to "4.0g ~ 25.0g";
- Revised the "measurement result calculation method", the "dry, fresh samples of ash determination" are combined, not to distinguish, depending on the properties of the sample is determined Weigh the sample volume. Added "result indicates" revised "allowable difference." the standard proposed by China Federation of Supply and Marketing Cooperatives.

The standard by the China Federation of Supply and Marketing Cooperatives Kunming Institute of Edible Fungus.

This standard is mainly drafted by. China Federation of Supply and Marketing Cooperatives Kunming Institute of Edible Fungus.

1 Scope

This standard specifies the method for determination of edible fungi and products of ash.

This standard applies to edible mushrooms fruiting bodies, mycelium and products measuring ash content.

2 Terms and definitions

The following terms and definitions apply to this standard.

The sample was obtained after high temperature burning residue.

Principle 3

After the sample was carbonized at $525\text{ }^{\circ}\text{C} \pm 25\text{ }^{\circ}\text{C}$ temperature of ignition to constant weight, saying the quality of the sample residue ash content.

4 Instruments and equipment

4.1

resistance furnace temperature. $1000\text{ }^{\circ}\text{C}$.

4.2

Crucible. 60mL ~ 90mL silica crucible or a porcelain crucible.

4.3

water bath.

4.4

electric oven.

4.5

dryer. fitted with an efficient desiccant.

4.6

Analysis of balance. a sense of the amount of 0.0001g.

5.1.1 Sampling method and number

In the bulk cargo, packaging products sachet on the same goods (boxes, boxes, etc.) as the base, the quality of the same goods in bulk products (Kg) or number of pieces as the base, from different locations the entire consignment of a random sample of the entire consignment the following number of member base.

--- Bulk goods 50 or less, the base sample is 2;

--- Bulk cargo 51 ~ 100, sampling base is 4;

--- Bulk cargo 101 ~ 200, the sampling base 5;

--- Whole lot more than 201, with a minimum of 6 for each additional 50 plus a draw.

Small package when insufficient quality inspection required quality, appropriate to increase the sample size.

5.1.2 Reduced sample and the test sample

When the sample is too large, the sample was mixed and spread evenly into a square, random sampling reduction. Reduced test sample obtained from a sample, according to inspection the required amount of sample test items sampled four times, including one for the test sample, two samples for re-examination, as a kind of deposit.

5.2 Crucible constant weight

Wash crucible transferred to $525\text{ }^{\circ}\text{C} \pm 25\text{ }^{\circ}\text{C}$ high temperature resistance furnace burning 1h, cooled to below $200\text{ }^{\circ}\text{C}$ removed and transferred to a dryer cold to room temperature and weighed. Repeated burning, cooling, weighing, up to twice the difference between before and after mass not exceeding 0.0002g, is a constant weight.