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

GB/T 9824-2008

Replacing GB/T 9824-1988

Determination of total ash in oilseed residues

油料饼粕中总灰分的测定

(English Translation)

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Foreword

This revised standard adopts ISO 749. 1977 "in oilseed residues - Determination of total ash" (in English).

This standard and ISO 749. 1977 main technical differences are as follows.

- Increase in Chapter 5 of the reagent requirements;
- Modify the requirements in a muffle furnace at 6.5;
- 7.1.2 The total ash content is calculated on a dry basis with two timing were integrated.

For ease of use, this standard made the following editorial changes.

- "This International Standard" be replaced by "this standard";
- With a decimal point instead of a comma as the decimal point, "";
- Delete international standards foreword.

This standard replaces GB/T 9824-1988 "Determination of total ash in oilseed residues." this standard and GB/T 9824-1988 compared to the main changes are as follows.

- Added "normative references";
- Increased the result of the determination of the claim;
- Regulate the use of the expression values, quantities and units.

The standard proposed by the National Food Authority.

This standard by the National Standardization Technical Committee OILS.

This standard is mainly drafted by. People's Republic of China Hubei Exit Inspection and Quarantine, Wuhan Polytechnic University.

1 Scope

This standard specifies the oilseed (except composite product) in total ash content determination principle, reagents, instruments and appliances, analysis steps and the result of the calculation.

This standard applies to oil extracted by pressing or leaching method after oilseed (except composite product).

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

Laboratory use specifications and test methods GB/T 6682 Analysis GB/T 9825 oilseed hydrochloric acid insoluble ash determination Determination of GB/T 10358 oilseed moisture and volatile matter content GB/T 10360 for sampling oilseed residues

3 Terms and Definitions

The following terms and definitions apply to this standard.

The sample under the operating conditions, after $550\text{ }^{\circ}\text{C} \pm 15\text{ }^{\circ}\text{C}$ ashing residue obtained.

Principle 4

Sample at $550\text{ }^{\circ}\text{C} \pm 15\text{ }^{\circ}\text{C}$ temperature conditions ashing completely weighed mass of the residue, calculate the mass fraction of the sample.

5 Reagents

The water should be consistent with GB/T 6682 in the three water requirements.

Solution of ammonium nitrate, Ba (NH_4NO_3) = 200g/L. Weigh 20.0g ammonium nitrate (AR), dissolved in water and diluted to 100mL, Mix well.

6 Instruments and appliances

6.1

Analytical balance. dividing the value of 0.0001g.

6.2

mills for. easy to clean, can be crushed oilseed to complete through a pore size of 1mm sieve (6.3), grinding process does not make the material Warming, should not moisture, volatile matter and oil content, etc. to produce a measurable impact.

6.3

sieve. sieve pore size of 1mm hole.

6.4

flat crucible. a diameter of about 60mm, a height of not more than 25mm, material is platinum, - gold, silica or porcelain.

6.5

muffle furnace. temperature-controlled at $550\text{ }^{\circ}\text{C} \pm 15\text{ }^{\circ}\text{C}$.

6.6

dryer. fitted with an efficient desiccant.