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CCS B 30



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

GB/T 14488.1-2008

Replacing GB/T 14488.1-1993

Oilseeds -- Determination of oil content

植物油料 含油量测定

(English Translation)

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Foreword

This revised standard adopts ISO 659:1998 "Determination of oil plant oil content (Reference method)" (in English).

This standard and ISO 659:1998 The main differences are as follows.

--- Oil impurity determination method according to GB/T 14488.2 (GB/T 14488.2-1993, neq ISO 658. 1980);

--- Oil moisture and volatile matter content determination method according to GB/T 14489.1 (GB/T 14489.1-1993, eqv ISO 665. 1977).

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 foreword international standards;

--- The formula to increase number.

This standard replaces GB/T 14488.1-1993 "oil seed oil content determination." the main changes in the standards and GB/T 14488.1-1993 compared as follows.

--- Symmetric sample volume has been modified;

--- Milling times have been modified;

--- Drying time has been modified;

--- Extraction time has been modified.

Appendix A of this standard is an informative annex.

The standard proposed by the National Food Authority.

This standard by the National Standardization Technical Committee OILS.

This standard was drafted. Hubei national food quality monitoring center.

1 Scope

This standard specifies the determination of the oil content of oil plants methods and principles.

This method is applicable for the determination of rapeseed, soybean, sunflower seed oil content of industrial raw materials. However, this method does not exclude its determination to His plant oil content of oilseeds.

Note: If necessary, the following items can be determined separately.

--- Kind of net oil content and oil content of impurities (see 9.3);

--- In determining the oil content of peanuts, peanut respectively measuring oil content, oil content of peanut entire pulverized, non-oil impurities oil content and oil miscellaneous Oil content quality.

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.

GB/T 14488.2 Determination of impurities in oil seeds (GB/T 14488.2-1993, neq ISO 658. 1980) GB/T 14489.1 fuel moisture and volatile matter content determination method (GB/T 14489.1-1993, eqv ISO 665. 1977) ISO 664 oil laboratory test sample decantation

3 Terms and Definitions

The following terms and definitions apply to this standard.

Under the conditions specified in this standard, used as a solvent of n-hexane or petroleum ether of oil were extracted, the extract is accounted for in the original sample, or a net-like Product quality scores.

NOTE: If necessary, the amount of oil available in the dry matter expressed.

Principle 4

Used as a solvent of n-hexane or petroleum ether, using a suitable extraction unit, the

vegetable oil feed of n-hexane or petroleum ether-soluble extract , The solvent was removed, weighed extract quality.

5 Reagents

Hexane or petroleum ether. hydrocarbons formed by six carbon atoms, whose boiling range is 40 °C ~ 60 °C or 50 °C ~ 70 °C, low boiling range Less than 5% at 40 °C substance. The distillation residue per 100mL of solvent shall not exceed 2mg.

6 Equipment

General laboratory equipment and the following equipment.

6.1

Analysis of balance. a sense of the amount of 0.001g.

6.2

mill. easy to clean, suitable for grinding oil, grinding oil can into uniform particles. Milling process does not heat, moisture after grinding,