
FEDERAL AGENCY FOR
TECHNICAL REGULATION AND METROLOGY



**NATIONAL
STANDARD**
of the **RUSSIAN
FEDERATION**

GOST R

FOOD POPPY

Specifications

Moscow

2006

Introduction

The objectives and principles of standardization in the Russian Federation are established by the Federal Law of December 27, 2002 № 184-FZ "On technical regulation", and rules for the application of national standards of the Russian Federation – by GOST R 1.0-2004 "Standardization in the Russian Federation. Basics "

Information about the standard

1 DEVELOPED by the State Educational Institution of Higher Professional Training "Moscow State University of Food Production" (GOUVPO "MGUPP")

2 INTRODUCED by the Technical Committee for Standardization TC 002 "Grain, derivatives and oilseeds"

3 APPROVED AND PUT INTO PRACTICE by the Order of the Federal Agency for Technical Regulation and Metrology dated March 28, 2006 № 44-st

4 INTRODUCED FOR THE FIRST TIME

Information about changes to this standard is published in the annually issued information index of "National standards", and the text of changes and amendments - in monthly issued information indexes of «National standards». In case of revision (replacement) or cancellation of this standard a notification will be published in a monthly issued Information Index "National standards". Relevant information, a notification and texts are also posted in the generalized information system - on the official website of the Federal Agency for Technical Regulation and Metrology on the Internet

FOOD POPPY

Specifications

Food poppy. Specifications

Effective date - 2007—01—01

1 Scope of application

This standard applies to edible seeds of oil food poppy *Papaversomniferum* Linnaeus (hereinafter - the food poppy), intended for use in baking and confectionary industries, as well as for sale to the population.

Requirements to ensure the safety of food poppy set out in 4.3-4.5, the requirements for quality - in 4.1-4.4, marking requirements - in 4.7.

2 Normative references

The standard uses references to the following standards: GOST R 51074-2003 Food products. Consumer information. General requirements; GOST R 51474-99 Packing. Marking indicating the type of cargo handling; GOST R 51301-99 Food products and food staples. Stripping voltammetric methods for determination of the content of toxic elements (cadmium, lead, copper and zinc)

GOST R 51766—2001 Food staples and products. Atomic absorption method for determination of arsenic

GOST R 51962—2002 Food products and food staples. Stripping voltammetric method for determination of the mass concentration of arsenic

GOST 8.579—2002 State system for ensuring uniform measurement. Requirements for the number of packed-up goods in packages of any kind by their manufacture, packaging, sale and import

GOST 2226—88 (ISO 6590-1—83, ISO 7023—83) Paper bags. Specifications GOST 10852-86

Oilseeds. Acceptance procedures and sampling methods GOST 10853-88 Oilseeds. Method for determination of pest infestation GOST 10854-88 Oilseeds. Methods for determination of black besatz, oil and particularly registered impurity

GOST 10856—86 Oilseeds. Method for determination of moisture GOST 13502—86

Paper bags for bulk stock. Specifications GOST 14192—96 Marking of goods

GOST 15846—2002 Products delivered to regions the Far North and equated localities. Packaging, marking, transportation, and storage

GOST 23285—78 Packages for transportation of food products and glass containers. Specifications.

GOST 25951—83 Polyethylene shrink film. Specifications

GOST 26927—86 Food raw material and products. Method for determination of mercury

GOST 26929—94 Food raw material and products. Sample preparation. Mineralization to determine the content of toxic elements

GOST 26930—86 Food raw material and products. Method for determination of arsenic

GOST 26931—86 Food raw material and products. Methods for determination of copper

GOST R 52533—2006

GOST 26932—86 Food raw material and products. Methods for determination of lead

GOST 26933—86 Food raw material and products. Methods for determination of cadmium

GOST 26934—86 Food raw material and products. Methods for determination of zinc

GOST 27988—88 Oilseeds. Methods for determination of color and flavor

GOST 29141—91 (ISO 664—90) Oil seeds. Separation of a sample for analysis from an average sample

GOST 29142—91 (ISO 542—90) Oil seeds. Sampling

GOST 30090—93 Bags and bag cloths (hessian). General specifications

GOST 30178—96 Food raw materials and products. Atomic absorption method for determination of toxic elements

GOST 30538—97 Food products. Technique of toxic elements determination by atomic emission method

GOST 30711—2001 Food products. Methods for detection and determination of content of aflatoxins B₁ and M₁

Note — When using this standard it is appropriate to test the effect of reference standards in the generalized information system - on the official website of the Federal Agency for Technical Regulation and Metrology on the Internet, or by annual Information Index "National standards", which is published as of January 1 of the current year, and by appropriate monthly Information Indexes published in the current year. If the reference document is replaced (changed), then when using this standard one should be guided by the replaced (changed) document. If the reference document is canceled without replacement, the provision, which provides a reference to it, is used in a part which does not affect the reference.

3 Types

3.1 Food poppy, depending on the color of seeds, is divided into types listed in Table 1.

Table 1

Type	Seed color	Content of other types of seeds %, not more
I II	Bluish, gray and gray-blue	15,0
III	White and yellow	15,0
	Brownish black, Бурый, reddish brown and brown	15,0

3.2 Food poppy that does not meet the requirements for the content of seeds of other types is defined as a mixture of types with an indication of percentage composition.

4 Specifications

4.1 Food poppy seeds, intended for use in baking and confectionary industries as well as for sale to population, must meet the requirements of this standard.

4.2 Food poppy seeds should be in a healthy not hot state, have the color and flavor characteristic for normal food poppy seeds (without fusty, musty and foreign flavors), and be:

- whole;
- dry (without excess surface moisture);
- uncontaminated (clean), that is without any visible foreign matters;
- sound, the presence of seeds with traces of decay or damage which are identified sensory and make them unfit for food purposes, is not allowed
- not rancid

4.3 Food poppy seeds should not contain:

- sprouted seeds;
- seeds spoiled by spontaneous heating or drying, charry, rotten, musty, roasted – with evident color change of kernel;

- black (organic) besatz: particles, leaves, culms, capsules, heads, pods, poppy straw, as well as large seeds of weed and cultivated plants (including oil plants);
- mineral mixture: mud balls, small stones, pebbles, sand;
- metallic impurities.

4.4 Physicochemical parameters of food poppy must meet the requirements specified in Table 2.

Table 2

Parameter	Standard
Moisture, %, no more	7,5 0,2
Content of oil impurity (seeds of rape, winter cress, false flax) %, no more	0,1 0,01
Including immature seeds of food poppy, no more	Not allowed
Seeds of henbane, no more	
Grain stock pest infestation	
Content of castor-oil plant seeds	

4.5 Content of drugs in the food poppy is determined after the introduction of the appropriate regulatory act; content of mycotoxins, pesticides, toxic elements and radionuclides shall not exceed the levels established by regulatory acts of the Russian Federation *.

4.6 Packaging

4.6.1 Food poppy is pre-packed and packed in consumer and shipping container, according to GOST 2226, GOST 13502, GOST 23285, GOST 25951 and GOST 30090, made of materials allowed to application for contact with food in the prescribed manner.

Other packaging ensuring the safety of food poppy and allowed to use for contact with food products in the prescribed manner is allowed.

Tare used for food poppy packaging must be clean, dry, not contaminated by pests of grain stocks, and should not have any foreign flavor.

4.6.2 The limits of permissible negative deviations of the product weight in a pack unit from a rated one - as per GOST 8.579.

4.6.3 Food poppy intended for transportation to regions of the Far North and equated localities shall be packed as per GOST 15846.

4.7 Marking

4.7.1 Marking of each pack of a consumer container of food poppy — as per GOST R 51074

with indication of:

- product name;
- manufacturer name and location (legal address including country,, and in case of mismatch with the legal address, the address of a factory and organization in the RF authorized by the manufacturer to accept claims from consumers in its territory (if any);
- manufacturer trademark (if any);
- type of seeds;
- net weight;
- nutritive value;
- packing date;
- storage conditions;
- shelf life;
- designation of the present standard;
- information on conformity assessment.

4.7.2 Shipping container marking Маркировка — as per GOST 14192 and GOST R 51474.

* Before the introduction of the regulatory acts of the Russian Federation – by normative documents of the federal executive authority [1].

5 Acceptance rules

5.1 Acceptance rules — as per GOST 10852.

5.2 Acceptance of food poppy in import deliveries shall be carried out in accordance with the provisions regarding the import of goods into the territory of Russia [2].

6 Control methods

6.1 Sampling — as per GOST 10852, GOST 29142.

6.2 Color and flavor test — as per GOST 27988.

6.3 Moisture determination — as per GOST 10856.

6.4 Oil impurity determination — as per GOST 10854.

6.5 Pests infestation determination — as per GOST 10853.

6.6 Castor-oil plant determination — as per GOST 10854.

6.7 Henbane determination — as per GOST 10854.

6.8 Narcotic drug determination — by methods of research and measurements approved by the RF Government*.

6.9 Sample preparation and mineralization to determine the content of toxic elements — as per GOST 26929.

6.10 Determination of mercury — as per GOST 26927.

6.11 Determination of arsenic — as per GOST 26930, GOST R 51766, GOST R 51962.

6.12 Determination of copper— as per GOST 26931.

6.13 Determination of lead— as per GOST 26932.

6.14 Determination of cadmium— as per GOST 26933.

6.15 Determination of zinc— as per GOST 26934.

6.16 Determination of toxic elements — as per GOST 30178, GOST 30538, GOST R 51301.

6.17 Determination of mycotoxins — as per GOST 30711.

6.18 Determination of pesticides before the introduction of a national standard – according to the methods approved by the Ministry of Health of the Russian Federation.

6.19 Determination of radionuclides — as per [4]—[6].

7 Transportation and storage

7.1 Food poppy shall be transported in vehicles which shall be clean, dry, free from foreign smell, and not infested by grain stocks pests in accordance with the established rules.

7.2 Food poppy shall be stored in clean, dry, free from foreign smell rooms in accordance with the established rules.

* Prior to the approval of research and measurement methods by the RF Government – as per methodic recommendations, approved by the Standing Committee on Drug Control [3].

Bibliography

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- [4] МУК 2.6.1.1194—2003 Radiation monitoring of strontium-90 and cesium-137. Food. Products. Sampling, analysis and hygienic assessment. Methodological guidelines
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- [6] МУ 5779-91 Cesium-137. Determination in food products. —M., 1991. — Certificate МА МВИ ИБФ №15/1—89

МА = inter discipline check

МВИ = Procedure of Measurement

ИБФ – Institute of biophysics

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