

**FATTY ACIDS
of sunflower oil**

**Technical Specifications
Technical Specifications 9145-012-00333693-99**

These technical specifications refer to fatty acids generated while deodorizing the sunflower oil. Fatty acids of the sunflower oil (hereafter "fatty acids") are intended for use in soap-making and for the technical purposes in light and chemical industry.

1. Technical requirements

1.1 Fatty acids are generated while deodorizing the sunflower-seed oil under the technological instructions approved in accordance with established procedure.

1.2 Characteristic

1.2.1 As for organoleptical and physicochemical parameters fatty acids should meet the requirements specified in table 1.

Table 1

Parameter name	Characteristic and norm
Smell	Specific for fatty acids
Color	Dark-brown
Mass fraction of moisture and volatile substances, % not more	3.5
Acid number, mg KOH/g, not less	80
Mass fraction of common fat, %, not less	90.0

1.3 Requirements to raw materials

The sunflower oil is used to generate fatty acids.

2. Acceptance procedures

2.1 There are acceptance procedures in accordance with State Standard 5471

3. Test methods

- 3.1 There is sampling method in accordance with State Standard 5471
- 3.2 Color and smell are tested organically when the temperature is 18-20 °C
- 3.3 Mass fraction of moisture and volatile substances are tested in accordance with State Standard 11812
- 3.4 The acid number is tested in accordance with State Standard 5476
- 3.5 Mass fraction of common fat is tested in accordance with State Standard 10857

4. Transportation and storage

- 4.1 Fatty acids are transported in rail tank cars and truck tanks according to transportation rules of cargoes which are in force for this type of transport. It is allowed to transport fatty acids in consumer tare.
- 4.2 Fatty acids should be stored in containers made of materials which are resistant to fatty acids.

5. Manufacturer's warranties

- 5.1 Manufacturer guarantees the conformity of fatty acids to requirements of these technical specifications under the compliance of conditions of transportation and storage prescribed by these technical specifications.
- 5.2 Warranty period of storage of fatty acids is 12 months from the date of generation.

Information data

Reference normative technical documents

Nomenclature of the normative technical document to which the reference is	Number of appendix paragraph
State Standard 5471	2.1
State Standard 5471	3.1
State Standard 5476	3.4
State Standard 10857	3.5
State Standard 11812	3.3