

## 1 SCOPE OF APPLICATION

These Technical Specifications are applied to fatty acids which are produced during deodorization of various vegetable oils and are a mixture of free fatty acids, glycerides and unsaponifiable matter (sterols, tocopherols, carotenes), products of their thermal decomposition, and traces of water.

Fatty acids are used for various technical applications.

An example of designation in the order: Fatty Acids. Requirements of these Technical Specifications TU 9145-010-55505939-2010 are obligatory for industrial processing.

## 2 QUALITY AND SAFETY REQUIREMENTS

2.1 Fatty acids are to be produced according to the requirements of these Technical Specifications under the properly established Technical Regulation.

2.2 Fatty acids are produced from different types of vegetable oils according to the relevant regulatory documents: GOST or TU.

2.3 Fatty acids' organoleptic, physical and chemical parameters are to comply with the requirements stated in below table:

No	Parameter name	Characteristics of fatty acids	Testing methods
1.	Appearance	from liquid to salvelike	organoleptic
2.	Odor	specific, sharp with acid tone	organoleptic
3.	Color	from light-brown to brown	organoleptic
4.	Mass fraction of crude fat (ether-soluble substances) %, min.	95.0	Cl. 6.2.
5.	Acid value, mg KOH/g, min.	120.0	GOST R 52110-2003
6.	Mass fraction of moisture and volatile matters %, max.	5.0	GOST 11812-66 GOST R 50456-92

2.4 Adding to fatty acids any other types of fats, fats with bleaching earth, fats after wastewater treatment, wastes after workshops cleaning is not allowed. Presence of any foreign fatty products in fatty acids is not allowed.

### 2.5 Safety and environmental requirements

Compliance with Federal Law of the Russian Federation No. 7-FZ of January 10, 2002 on Environmental Protection must be ensured during the production process.