

**Technical Data Sheet**

## STEARIC ACID

Stearic Acid is a saturated long-chain fatty acid with an 18-carbon backbone. Stearic acid is found in various animal and plant fats, and is a major component of cocoa butter and shea butter. NCI Thesaurus (NCIt) Stearic acid is a white solid with a mild odor. Floats on water

**Applications:**

- production of candles
- cosmetics
- medicine
- Washing soaps and detergents
- Lubricants
- Stabilizers
- chemicals
- food and drink
- Agriculture
- feed
- textile industry
- rubber industry

Properties	Standard	Test Method
Iodine Value	0.5-1 g I <sub>2</sub> /100g	ASTM D 1959
		KW 140-306
Titer(Solidification temperature)	56-58 °c	ASTM D 1982
		KW 140-273
Acid value	205-211 mgKOH/g	ASTM D 1980
		KW 140-293
Saponification value	206-212 mgKOH/g	ASTM D 1962
		KW 140-275
Ash Content(at 550°c)	Max 0.1%	ASTM D 1951
		KW 140-289
Per oxid value	Max 3 mg O <sub>2</sub> /1000g	---
		ASTM 140-285