

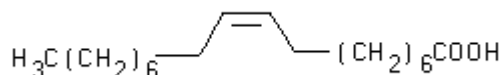
**PRODUCT CODE: 142659**

**Oleic Acid (Ph. Eur.) pure, pharma grade**

Animal origin

C<sub>18</sub>H<sub>34</sub>O<sub>2</sub>

C<sub>18</sub>H<sub>34</sub>O<sub>2</sub>



M.= 282,47

CAS [112-80-1]

EINECS 204-007-1

TARIC 2916 15 00 00

**SYNONYMS:** (Z)-9-Octadecenoic Acid

**PHYSICAL DATA:** liquid, oily, Light yellow, Insoluble in water D 20/4 0,895 • M.P.: 4 °C • B.P.: 286 °C • n<sub>18</sub>/D : 1,463 •

**BIBLIOGRAPHY:** Merck Index **13**, 6.898 14, 6.828 Römp **8** , **2880** • Beilstein **2** , **IV** , **1641** • BRN 1726542 • Fieser 1759 • BP.2023 • USP -NF **38** • Ph. Eur. **11.0** (2023) **10.0** (2019) • F.C.C **12 13** •

**HAZARDOUS:** RTECS: RG 2275000 • LD50 oral rat 74 mg/kg •



H: H315 • H335 •

P: P261 • P264 • P271 • P280 • P302+P352 • P501 • P304+P340 • P305+P351+P338 • P312 • P321 • P332+P313 • P337+P313 • P362 • P403+P233 • P405 •

**WEIGHT/VOLUME INFORMATION:** 1l–0,890 kg 1kg–1,123 l

**OBSERVATIONS:** Storage away from direct light. •

**SPECIFICATIONS:**

Assay Ph. Eur. (G.C.)

65,0 - 88,0 %

Identity :

Identity according to Pharmacopoeias:

passes test

**Maximum limit of impurities**

Appearance (<Y1 or BY1)	passes test
Residue on ignition (as SO <sub>4</sub> )	0,1 %
Acidity value	196-204
Iodine value	89-105
Peroxide value	10,0
Residual solvents (Ph.Eur.)	passes test
Composition of fatty acids:	
Myristic acid	5,0 %
Palmitic acid	16,0 %
Palmitoleic acid	8,0 %
Stearic acid	6,0 %
Linoleic acid	18,0 %
Linolenic acid	4,0 %
Fatty acids with chain length greater than C18	4,0 %
Margaric acid	4,0 %

## Elemental impurities (ICH Q3D):

Class 1	
Cd	0.5 ppm
Pb	2 ppm
As	1.5 ppm
Hg	1.5 ppm
Class 2A	
Co	5 ppm
V	10 ppm
Ni	20 ppm
Class 2B	
Tl	5 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm
Class 3	
Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm