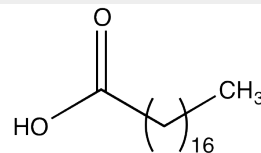


Stearic acid 70, EssentQ®

Identification

C₁₈H₃₆O₂
M = 284,47 g/mol
CAS [57-11-4]
EC number: 200-313-4
Taric code:



Synonyms

Octadecanoic acid

Applications

laboratory reagent, synthesis of organic products, in the pharmaceuticals industry, cosmetics.

Specifications

total content (palmitic + stearic acid, G.C., as methyl ester)	min. 90 %	acidity index.....	194 - 212
identity (IR-spectrum).....	passes test	iodine index.....	max. 4
appearance.....	passes test	heavy metals (as Pb).....	max. 0,001 %
freezing point.....	57 - 64 °C	nickel (Ni).....	max. 0,0001 %
acidity.....	passes test	mineral acid	passes test
palmitic acid (G.C.)	max. 30 %	neutral fat or paraffin.....	passes test
stearic acid (G.C.)	min. 70 %	residue on ignition.....	max. 0,1 %

Physical data

- Appearance: crystals, white or almost white
- Spec. Density: 0,94 g/cm³
- Bulk density: ~ 400 - 500 kg/m³
- Solub. in water: (20 °C): insoluble
- Melting point: 67 °C
- Boiling point: (19,95 hPa) 232 °C
- Flash point: 196 °C
- Ignition temperature: 395 °C
- Vapour pressure: (148 °C) 0,13 hPa

Transport/storage

- 15°C - 25°C