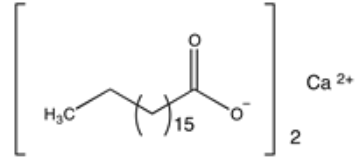


Identification

$C_{36}H_{70}CaO_4$
M = 607,04 g/mol
CAS [1592-23-0]
EC number: 216-472-8
Taric code: 2915 70 30

**Synonyms**

Stearic acid calcium salt

Applications

in building materials, in explosive compositions, plasticizer, in lubricant compositions, in food industry, for pharmaceuticals synthesizing.

Specifications

assay (complexometric, as Ca).....	6,4 - 7,4 %	arsenic (As).....	max. 3 ppm
assay (complexometric, as CaO).....	9,0 - 10,5 %	cadmium (Cd).....	max. 3 ppm
identification.....	passes test	heavy metals (as Pb).....	max. 0,001 %
stearic acid in the fatty acid fraction.....	min. 40 %	lead (Pb).....	max. 0,001 %
sum of stearic acid and palmitic acid in the fatty acid fraction	min. 90 %	mercury (Hg).....	max. 1 ppm
acidity or alkalinity.....	passes test	nickel (Ni).....	max. 5 ppm
chlorides (Cl).....	max. 0,1 %	zinc (Zn).....	max. 0,002 %
sulfates (SO ₄).....	max. 0,3 %	loss on drying (105 °C).....	max. 4 %

Physical data

- Spec. Density: > 1 g/cm³
- Bulk density: 250 kg/m³
- Solub. in water: (20 °C): 2,2 mg/l
- Melting point: 147 - 149 °C
- Ignition temperature: 460 °C
- pH(20 °C) 7 - 9

Transport/storage

- 10°C - 30°C