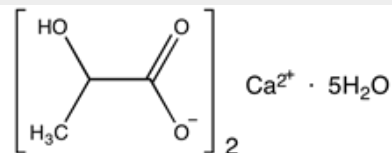


Identification

$C_6H_{10}CaO_6 \cdot 5H_2O$
M = 308,30 g/mol
CAS [28305-25-1]
EC number: 248-953-3
Taric code: 2918 11 00

**Synonyms**

Lactic acid calcium salt pentahydrate

Applications

in food industry (preservative agent), dentifrices, in pharma industry.

Specifications

assay (complexometric, on dried sample).....	98,0 - 101,0 %	sulfates (SO ₄).....	max. 400 ppm
identification.....	passes test	barium (Ba).....	passes test
appearance of solution.....	passes test	iron (Fe).....	max. 50 ppm
acidity or alkalinity.....	passes test	magnesium and alkaline salts.....	max. 1,0 %
free acid (as lactic acid)	max. 0,45 %	volatile fatty acids.....	passes test
chlorides (Cl).....	max. 200 ppm	loss on drying (125 °C).....	22,0 - 27,0 %

Physical data

- Appearance: granulated powder, white
- Bulk density: ~ 300 kg/m³
- Solub. in water: (20 °C): 66 g/l
- Melting point: 240 °C
- pH(50 g/l H₂O, 20 °C) 7

Transport/storage

- 15°C - 25°C