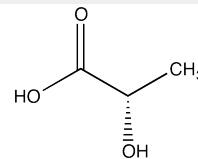


Identification

$C_3H_6O_3$
M = 90,08 g/mol
CAS [79-33-4]
EC number: 200-018-0
Taric code: 2918 11 00



Synonyms

2-Hydroxypropanoic acid, Lactol

Applications

in food industry, in pharma industry.

Specifications

assay (acidimetric)..... 88 - 92 %
assay (S)-enantiomer..... min. 95,0 %
(S)-enantiomer laevorotatory test..... passes test
Identification A (EP)..... passes test
Identification lactates..... passes test
density (20°/20°)..... 1,20 - 1,21
appearance..... passes test

ether-insoluble substances..... passes test
citric, oxalic and phosphoric acids..... passes test
sulfates (SO_4)..... max. 200 ppm
calcium (Ca)..... max. 200 ppm
methanol max. 50 ppm
sugars and other reducing substances..... passes test
residue on ignition (600 °C)..... max. 0,1 %

Physical data

- Density: 1,21 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: 18 °C
- Boiling point: (20 hPa) 122 °C
- Flash point: 112 °C
- pH(10 g/l H_2O , 20 °C) ~ 2,8

Safety - GHS

Signal Word: Danger

Hazard Statements:

H315: Causes skin irritation.
H318: Causes serious eye damage.



Precautionary Statements:

P280: Wear protective gloves / protective clothing / eye protection / face protection.
P264: Wash thoroughly after handling.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see on this label).
P332+P313: If skin irritation occurs: Get medical advice / attention.
P337+P313: If eye irritation persists: Get medical advice / attention.

Transport/storage

- 10°C - 30°C