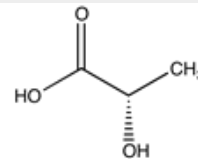


**Identification**

C<sub>3</sub>H<sub>6</sub>O<sub>3</sub>  
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 %	ether-insoluble substances.....	passes test
assay (S)-enantiomer.....	min. 95,0 %	citric, oxalic and phosphoric acids.....	passes test
(S)-enantiomer laevorotatory test.....	passes test	sulfates (SO <sub>4</sub> ).....	max. 200 ppm
Identification A (EP).....	passes test	calcium (Ca).....	max. 200 ppm
Identification lactates.....	passes test	methanol .....	max. 50 ppm
density (20°/20°).....	1,20 - 1,21	sugars and other reducing substances.....	passes test
appearance.....	passes test	residue on ignition (600 °C).....	max. 0,1 %

**Physical data**

- Density: 1,21 g/cm<sup>3</sup>
- 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<sub>2</sub>O, 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