

PRODUCT CODE: 141034

## L(+)-Lactic Acid (BP, Ph. Eur.) pure, pharma grade

## C3H6O3

M.= 90,08 CAS [79-33-4]

EINECS 201-196-2

TARIC 2918 11 00 00

Purity ranges from 85% to 92% according to application .

**SYNONYMS:** (S)-2-Hydroxypropanoic Acid

**BIBLIOGRAPHY:** Merck Index **12**, 5.350 13, 5.352 Safety **2**, **2061 C** • Kühn-Birett **G** 4 • Beilstein **3**, **268 IV**, **633** • BRN 1720251 • ACS **XI** • BP.**2017** • USP **39** • Ph. Eur. **8.0** (2014) 5.2, 3227 **9.0** (2017) 5.2, 3227 • F.C.C **9 10** • BOE **243**(8-10-2009) • Regulation (EU) nº 231/2012 •

**HAZARDOUS:** RTECS: OD 3100000 ● LD50 oral rat 3.543 mg/kg • LD50 ipr mus 3.194 mg/kg



H: H319 • H315 •

P: P264 • P280 • P302+P352 • P305+P351+P338 • P321 • P501 • P332+P313 • P337+P313 • P362 •

**WEIGHT/VOLUME INFORMATION:** 11~1,20 kg 1kg~0,83 l

## **SPECIFICATIONS:**

Minimum assay (as S-enantiomer) 95.0 % del C3H6O3 Assay (C3H6O3) 88,0-92,0 % Identity: Identity according to Pharmacopoeias: passes test Density at 20/20 1,20-1,21 **Maximum limit of impurities** Appearance passes test Insoluble matter in Ether-insoluble substances passes test Insoluble matter in H2O passes test Darkened substances by H2SO4 passes test Residue on ignition (as SO4) 0,05 % Chloride (CI) 0,002% Sulfate (SO4) 0,002% Residual solvents (Ph.Eur.) passes test Citric, oxalic and phosphoric acids passes test Volatile fatty acids passes test Sugars and other reducing substances passes test Heavy metals (as Pb) 0,001% % Ca 0,02 Elemental impurities (ICH Q3D): Class 1 Cd 0,5 ppm Pb 0,5 ppm As 1 ppm Hg 1,5 ppm Class 2A 5 ppm Co ٧ 10 ppm Ni 20 ppm Class 2B ΤI 0,8 ppm Au 10 ppm Pd 10 ppm lr 10 ppm 10 ppm Os 10 ppm Rh Ru 10 ppm Se 15 ppm 15 ppm Ag Pt 10 ppm Class 3 Li 55 ppm Sb 120 ppm Ba 140 ppm Мо 25 ppm Cu 250 ppm

Sn

Cr

600 ppm

25 ppm