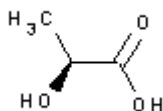




**PRODUCT CODE: 201034**

**L(+)-Lactic Acid (F.C.C.) food grade**

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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

**PHYSICAL DATA:** liquid, Clear, viscous, Colourless, Miscible with water • D 20/4 1,209 • M.P.: 18 °C • B.P.: 122 °C • pH2,8 • n20/D : 1,4251 • Flash P.:110 °C •

**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.**2018** • USP **41** • Ph. Eur. **8.0** (2014) 5.2 , 3227 **9.0** (2017) 5.2 , 3227 • F.C.C **10 11** • BOE **243**(8-10-2009) • Regulation (EU) n° 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:** 1l~1,20 kg 1kg~0,83 l

**SPECIFICATIONS:**

Assay (as C <sub>3</sub> H <sub>6</sub> O <sub>3</sub> ) , not less than	85,0%
Residue on ignition , not more than	0,1 %
Chloride (Cl) , not more than	0,02%
Sulfate (SO <sub>4</sub> ) , not more than	0,05%
Cyanide, not more than	5 ppm
Citric, Oxalic, Phosphoric, or Tartaric Acids	passes test
Sugars and other reducing substances	passes test
Arsenic (as As), not more than	3 ppm
Iron, not more than	10 ppm
Mercury (Hg), not more than	1 ppm
Lead, not more than	0,5 ppm
Heavy metals (as Pb) , not more than	10 ppm

### **Specifications F.C.C. 11**

**For use in foodstuffs according to F.C.C.**

Ed.: 3 . Vig.: 15.01.2011 .

Prod.: 201034