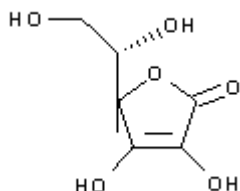


PRODUCT CODE: 131013

L(+)-Ascorbic Acid (Reag. USP) for analysis, ACS

C₆H₈O₆



M.= 176,13

CAS [50-81-7]

EINECS 200-066-2

TARIC 2936 27 00 00

SYNONYMS: (R)-5-[(S)-1,2-Dihydroxyethyl]-3,4-Dihydroxy-5-(H)-Furan-2-one, Vitamin C

PHYSICAL DATA: Small crystals, White, Soluble in water 333 g/l at 20 °C M.P.: 192 °C • pH(50g/l)2,2 •

BIBLIOGRAPHY: Merck Index **12**, 867 13, 837 Sax **ARN000** • Safety **2**, **312 A** • Beilstein **18**, **5 III**, **3038 V**, **26** • BRN 84272 • ACS **XI** • ISO 6353-3/1987 R - 70 , 39 • BP.**2021** • USP **42** • Ph. Eur. **9.0** (2017) **10.0** (2020) 6.3 6.6 • F.C.C **11 12** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: RTECS: CI 7650000 • LD50 oral mus 3.367 mg/kg • LD50 oral rat 11.900 mg/kg • LD50 ipr mus 643 mg/kg

OBSERVATIONS: Storage away from direct light. •

SPECIFICATIONS:

Minimum assay (Iodom.)	99,0%
Identity :	
Identity	IR passes test
Melting range	188-192 °C
Specific rotation [α] _{20/D} c=10 (in H ₂ O)	+20,5 - +21,5°

Maximum limit of impurities

Insoluble matter in H2O	0,01 %
Loss on drying at 105°C	0,1%
Residue on ignition (as SO4)	0,1 %
Chloride (Cl)	0,005%
Sulfate (SO4)	0,002%
Heavy Metals (ICP-OES)	0,001 %
Cu	0,0002 %
Fe	0,0002 %
Ni	0,001 %
Pb	0,001 %