

Product Specification

L(+)-Lactic Acid

80% aqueous solution, food grade (EU, FCC)

Product name	L(+)-lactic acid 80% food grade	C ₃ H ₆ O ₃
EC No.	201-196-2 (general 200-018-0)	
CAS No.	79-33-4 (general 50-21-5)	
E-No.	E 270	
Characteristics	Colourless to yellowish, nearly odourless, syrupy liquid with an acid taste, consisting of a mixture of lactic acid and lactic acid lactate.	

Assay	79.5 – 80.5%
Stereochemical purity (L-isomer)	min. 97%
Colour (fresh)	max. 50 apha
Colour (6 months, 25°C)	max. 50 apha
Identification	conforms
Density (20°C)	1.18 – 1.20 g/cm ³
Sulphated ash	max. 0.1%
Chloride	max. 20 mg/kg
Sulphate	max. 100 mg/kg
Cyanide	max. 5 mg/kg
Iron	max. 10 mg/kg
Arsenic	max. 1 mg/kg
Lead	max. 0.5 mg/kg
Mercury	max. 1 mg/kg
Calcium	max. 20 mg/kg
Citric, oxalic, phosphoric, or tartaric acid	conforms
Readily carbonisable substances	conforms
Reducing sugars	conforms

We herewith confirm that this product is specified to meet the requirements of the latest edition of the Food Chemicals Codex (FCC) and of Commission Regulation (EU) No 231/2012. All analytical methods are in accordance with the latest requirements of the FCC or are equivalent. Test methods are available on request.