



L (+) - Lactic Acid

Chemical formula: CH₃CHOHCOOH

CAS No.: 79-33-4

Rel. mol. weight: 90.08

EINECS No.: 201-196-2

Quality standard: pharma grade, heat stable

Chemical and physical requirements

Quality parameter	Guaranteed value
Assay	85 - 90 %
Colour (HPHA)	≤ 35
Optical purity (L+)	≥ 95 %
Sulphate (SO ₄ ²⁻)	≤ 50 ppm
Iron (Fe)	≤ 5 ppm
Calcium (Ca)	qualified
Residue on ignition	≤ 0.1 %
Heavy Metals (as Pb)	≤ 5 ppm
Arsenate (as As)	≤ 1 ppm
Chloride (Cl ⁻)	≤ 20 ppm
Free carbonizing	qualified
Reductive substance	qualified
Thermal stability	≥ 190 °C
Insoluble substance in acid	qualified
Free acid	qualified
Methyl alcohol	≤ 0.2 %

Characteristic: It is colourless, light yellow, thick fluid

Packing: according to customer's request

Storage terms: Keep in a tightly closed container, stored in a cool, dry, ventilated area.

Transport regulations:

R: 36/37/38 **S:** 26-36, RID/ADR: UN 3265 8/40b, WGK 0, CH-Gift kl. 4

Kasel GmbH

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