

TECHNICAL DATA SHEET

Lactic Acid | CAS 50-21-5

1. Product Identification

Product Name	Lactic Acid
CAS Number	50-21-5
Synonyms	2-Hydroxypropionic acid, Milk acid, α -Hydroxypropionic acid, E270
Category	Acid
Available Grades	Food Grade/Technical/88%/LR
HSN Code	2918.11

2. Physical & Chemical Properties

Molecular Formula	$C_3H_5O_3$
Molecular Weight	90.08
Appearance	Colourless to light yellow syrupy liquid
Density	1209 kg/m ³
Boiling Point	122°C
Melting Point	18°C
Flash Point	None
Solubility	Miscible with water

3. Applications

- Food preservative • Biodegradable plastic (PLA) • Pharmaceutical • Cosmetics (pH adjuster) • Chemical synthesis
- Fermentation

4. Industries Served

Food, Pharmaceutical, Cosmetics, Bioplastics, Research

5. Packing & Supply

Standard industrial packing. Bulk and customised packing available on request. Export supply with full documentation (COA, MSDS, COO, Packing List).

Values are typical and given in good faith as a guide to product characteristics; they do not constitute a specification or guarantee. Refer to the batch COA for certified values.