

## Product data sheet

# Lactic Acid 80% Food Grade, 50-150 APHA

### Description

Lactic Acid 80% Food Grade is produced from natural cornstarch by advanced bio-fermentation and refining technology. The lactic acid is a yellowish to colorless liquid, having a mild acid odor and taste.

### Application Areas

Lactic Acid 80% Food Grade can be used as acidulent, flavoring agent and pH regulator in beverages, meat, sourdough, salads and dressings, confectionery and pickled vegetables.

### Typical applications

- Acidification agent for beverages;
- Preservative and flavoring in dressings and salads;
- Fermentation and pH regulator in beer, wine and spirits;
- Antimicrobial agent and shelf life extender in bakery, meat products.

## Typical Composition

Parameter	Unit	Value
Stereochemical purity	%	≥ 97
Lactic acid content	%	≥ 80
Density	g/ml	1,18 – 1,20
Sulphated ash	%	≤ 0,1
Color fresh	APHA	50-150
Chloride	ppm	≤ 10
Sulphate	%	≤ 0,005
Optical Rotation		+4,9 – + 5,3
Limit of citric, oxalic, phosphoric and tartaric acid		Passes FCC test
Reducing sugars		Passes FCC test
Lactate		Passes FCC test

## Microbiological specification

Parameter	Unit	Value	Method
Total plate count	Cfu/g	≤ 1000	ISO 4833
Yeast	Cfu/g	≤ 100	ISO 21527-2
Moulds	Cfu/g	≤ 100	ISO 21527-2
Salmonella	/25g	Absent	ISO 6579

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### Nutritional Information per 100gr:

Energy	290 kcal
	1214 kJ
Fat (of which)	0g
- Saturated fatty acids	0g
- Mono unsaturated fatty acids	0g
- Polyunsaturated fatty acids	0g
- Trans fats	0g
Cholesterol	0g
Sodium	0mg
Potassium	0mg
Carbohydrates (of which)	80g
- Sugars	0,2-0,6g
- Polyols	0g
- Dietary fiber	0mg
- Other Carbohydrate	80g
Protein	0g
Vitamin A	0mg
Vitamin C	0mg
Calcium	<0,005 mg
Iron	<0,1mg
Additional Vitamins	0mg

### Heavy metal specifications

Total heavy metals	≤ 10 ppm
Arsenic	≤ 2 ppm
Lead	≤ 0,5 ppm
Mercury	≤ 0,1 ppm
Cyanide	≤ 5 ppm
Cadmium	≤ 1 ppm
Iron	≤ 10 ppm

### Molecular formula and name

$C_3H_6O_3$   
(S)-2-hydroxy-propanoic acid

### Ingredients/ labeling

Lactic Acid, E270

### Country of Origin

China

### Purity and legal status

Lactic Acid 80% is classified as GRAS ID nr 598-82-3 and is according to the current editions of the Food Chemical Codex, FAO and EU reference E 270. Local food regulations should always be consulted. The status of this product, concerning regulation regarding its use in food may vary from country to country. CAS nr. 79-33-4

### Storage

Shelf life: max.24 months from production date when stored in cool and dry conditions well closed in its original packing. Within EU, warehouse should be certified to handle ADR Goods, more details at the product MSDS.

### Packaging

-25 kg poly drums  
-250 kg poly drums  
-1200 kg IBC's  
-bulk

### Safety and handling

Material safety data sheet (MSDS) is available on request.

### Kosher status

This product is Kosher certified. A Kosher certificate is available on request.

### Halal status

This product is Halal certified. A Halal certificate is available on request.

### Manufacturer

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