

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	%	>95
Lactic acid content	%	>80
Sulphated ash	%	<0.1
Color fresh	APHA	50-150
Chloride	%	< 0.2
Sulphate	%	< 0.25
Optical Rotation		+4.9 – + 5.3

Microbiological specification

Parameter	Unit	Value	Method
Total plate count	Cfu/g	<1000	ISO 4833
Yeast	Cfu/g	<100	ISO 7954
Moulds	Cfu/g	<100	ISO 7954
Salmonella	/25g	Absent	ISO 6579

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Heavy metal specifications

Total heavy metals	< 10 ppm
Arsenic	< 3 ppm
Lead	< 0.5 ppm
Mercury	< 1 ppm
Cyanide	< 5 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. 50-21-5

Storage

Shelf life: max.24 months from production date when stored in cool and dry conditions well closed in its original packing.

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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