Summary Technical Data Sheet

Lactic Acid 88% Heat Stable

Product Name: Lactic Acid 88% Heat Stable
CAS Number: 50-21-5
Formula: $C_3H_6O_3$
Molecular weight: 90 g/mol
E Number: E270
Appearance: transparent liquid
Density (20°C): 1.19 – 1.21 g/mL
Solubility: soluble in water and ethanol

Typical Product Specifications

Properties	Specifications
Total acidity (as lactic acid) assay	≥ 88 %
Heavy metals (as Pb)	≤ 5 ppm
Iron	≤ 5 ppm
Calcium	≤ 10 ppm
Chloride	≤ 5 ppm
Sufate	≤ 10 ppm
Sulfated ash	≤0.01 %w/w
Cyanide	≤ 0.5 ppm
Lead	≤ 0.5 ppm
Arsenic	≤ 1 ppm
Mercury	≤ 0.5 ppm

Lactic acid is a weak organic acid that is naturally found in foods and is produced during fermentation. Lactic acid is used in foods to improve flavor and quality of foods and beverages, such as confectionary, bakery, dairy, and meat. Lactic acid functions as an acidifying agent, flavor enhancer, and microbial inhibitor. It increases the effectiveness of antioxidants, as well as prevents discoloration of fruits and vegetables. Lactic acid has a mild, fruity, flavor that doesn't mask other flavors.

Storage and Handling: Shelf Life: Stable for 36 months when stored in its original package, tightly sealed in a cool (7.78-32.22ºC) and dry location out of direct heat and light.

Packaging: 24 L/52.9 lb

Transport Regulations: UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (Lactic acid), 8, PG III

The above information, while not guaranteed, reflects our analysis and believed to be accurate. It is the end user's responsibility, prior to use of the above mentioned product to determine the suitability of the product. Aqua Bond shall not be, directly or indirectly responsible for damages of any nature whatsoever resulting from the use or reliance upon the above information.

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