

SPECIFICATION

Product Name: L+ Tartaric Acid
Chemical Formula: C ₄ H ₆ O ₆
CAS Number: 87-69-4
Molecular Weight: 150.09 g/mol
Appearance: Colorless crystals or white crystalline
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
Identification	-	Pass	Pass the test
Solubility	-	Pass	Pass the test
Assay	%	99.51%	99.5% - 101.0%
Sulphate	PPM	<25	<150
Oxalate	PPM	<17	<100
Heavy Metal (As PB)	PPM	<2	<5
Barium	-	Pass	Pass the test
Calcium	PPM	<20	<200
Iron	PPM	<2.3	<10

Sulphated Ash	%	0.02	<0.05
Moisture	%	0.10	<0.5
Readily Carbonisable substance	-	Pass	Standard color
Lead	PPM	<0.5	<0.5
Arsenic	PPM	<0.2	<1
Mercury	PPM	<0.3	<1
Aluminum	PPM	<0.1	<0.2

Physical Properties

- Solubility: Freely soluble in water. Insoluble in alcohol. Slightly soluble in ether.

Shelf Life & Storage

- Shelf Life: 2 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a cool, dry, and well-ventilated area. Keep container tightly closed to prevent moisture absorption. Protect from humidity and direct sunlight. Avoid contact with strong oxidizing agents and bases.

Applications

- Use: Used in soft drinks, candies, jams, jellies. Functions as a preservative and flavor enhancer. Used as an excipient. Improves drug solubility and stability. Naturally present in grapes; used to adjust acidity in wine. Used in skin care products for pH adjustment. Used in buffer solutions. Used in dyeing and printing processes.
- Dosage: Depends on application, formulation, and regulatory limits.

Packaging

- Standard Packing: 25 kg woven PP bags with inner liner, 1 kgs and 100 grams, or as per customer requirement.

- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.

