

SPECIFICATION

Product Name: DL- Tartaric Acid
Chemical Formula: C ₄ H ₆ O ₆
CAS Number: 133-79-9
Molecular Weight: 150.09 g/mol
Appearance: Colorless crystals or white crystalline
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
Assay	%	99.86	≥99.5
Heavy Metals (Pb)	%	<0.001	≤0.001
Chloride (Cl) test	%	<0.002	≤0.01
Sulphate test	%	<0.002	≤0.04
Arsenic	%	<0.0001	≤0.0002
Melting Point	°C	204.8 - 205.4	200 - 206
Readily oxidizable substance	-	Pass	Pass the test
Residue on ignition	%	<0.05	≤0.1
Loss on drying	%	0.17	≤0.5

Physical Properties

- Solubility: Freely soluble in water. Slightly soluble in alcohol. Practically insoluble 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 place. Keep container tightly closed to prevent moisture uptake. Protect from humidity and direct sunlight. Avoid contact with strong oxidizing agents and alkalis.

Applications

- Use: Acts as a resolving agent in chiral chemistry. Used as an intermediate in synthesis of various chemicals. Functions as a complexing/chelating agent. Used as a pH regulator in dyeing and printing. Acts as a retarding agent in cement and gypsum systems. Used in buffer solutions.
- Dosage: Depends on process conditions and formulation. Common industrial.

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.