

Technical Data Sheet

Ascorbic Acid

HS Code: 29362700

CAS #: 50-81-7

Formula: C₆H₈O₆

E number #: E300

Molecular weight: 176.12 g/mol.

Grade: Food - FCC V / USP32 / BP2010

Shelf life: 2 years

Certifications: Halal; Koscher

PROPERTIES

- Appearance: white crystalline powder
- Odor: odorless
- Solubility: soluble in water

SPECIFICATIONS

	Standard
Appearance	White crystalline powder
Color of solution	≤ BY ₇
Assay	99.0~100.0%
Loss on drying	≤ 0.4%
Residue on ignition	≤ 0.1%
Specific rotation	+20.5°~+21.5°
pH (with 2% water solution)	2.4~2.8
pH (with 5% water solution)	2.1~2.6
Melting range	About 190 °C
Heavy metals (as Pb)	≤ 3 ppm
Iron	≤ 2 ppm
Copper	≤ 5 ppm
Oxalic acid	≤ 0.2%
Arsenic (as As)	≤ 1 ppm
Lead	≤ 2 ppm
Cadmium	≤ 1 ppm
Mercury	≤ 1 ppm
Total impurity	≤ 0.2%
Total plate count	≤ 1000 cfu/g

APPLICATION

- As antioxidant, can be used in fermented flour products.
- Used as food nutrition fortifier such as dietetic products for weight reduction, beverages, instant drink powders, fruit juices, multivitamin juices, lemonades, breakfast cereal, confectionery, dairy products etc...
- Ascorbic Acid is very important for the shelf-life of beverages.

Widely used in cosmetics.

PACKING

- 25 Kg white carton.
- 22 MT/ 20' FCL (without pallet)
- 18 MT/ 20' FCL (with pallet)

STORAGE AND TRANSPORTATION

- Store in a tightly closed container in a cool, dry and well-ventilated place.
- Keep away from strong oxidants as Concentrated Sulfuric Acid, Potassium Permanganate etc...

The above information, while not guaranteed, reflects our analysis and believed to be accurate. It is the end user's responsibility, prior to use the above mentioned product, to make his/her own determination as to the suitability of such product. D.I.S. shall not be, directly or indirectly, responsible for damages of any nature whatsoever resulting from the use or reliance upon the above mentioned information.