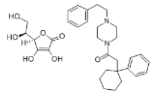
DOLCHEM
Quality Chemicals
A Brand of D.I.S. Company Limited

Technical Data Sheet

Ascorbic Acid

HS Code: 29362700

CAS #: 50-81-7



Formula: $C_6H_8O_6$

E number #: E300

Molecular weight: 176.12 g/mol.

Grade: Food - FCC V / USP32 / BP2010

Shelf life: 3 years

Certifications: Halal; Koscher

SPECIFICATIONS

	Standard
Color of solution	≤ BY_7
Assay	99.0~100.5%
Loss on drying	≤ 0.4%
Residue solvents	Pass
Specific rotation	+20.5°~+21.5°
pH (with 2% water solution)	2.4~2.8
pH (with 5% water solution)	2.1~2.6
Heavy metals	≤ 10 ppm
Iron (as Fe)	≤ 2 ppm
Copper (as Cu)	≤ 5 ppm
Arsenic (as As)	≤ 1 ppm
Lead (as Pb)	≤ 2 ppm
Cadmium (as Cd)	≤ 1 ppm
Mercury (as Hg)	≤ 1 ppm
Impurity E	≤ 0.2%
Oxalic acid	≤ 0.2%
Sulphated ash	≤ 0.1%

PROPERTIES

- Appearance: white crystals or white powder
- Odor: odorless
- Melting point: approx. 190 °C
- Solubility: soluble in water

APPLICATION

Ascorbic acid is widely used in Food and Beverage industry.

It is used as:

- Color fixative
- Acidity Regulators
- Preservatives
- Nutrition supplements

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…

PACKING

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

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.