

ASCORBIC ACID

Product Information

Chemical Name	Ascorbic acid
Commodity Name	Vitamin C
Category	Water-soluble vitamins
Molecular formula	C ₆ H ₈ O ₆
Molecular weight	176.13
H.S.Code:	29362700.00
CAS No.	50-81-7

Technical Specification

USP33, BP2011, EP7.0, FCC7&2008/84/EC Grade

Appearance	White or almost white crystalline powder
Identification	Positive reaction
pH (2% water solution)	2.4~ 2.8
pH (5% water solution)	2.1~ 2.6
Clarity of solution	Clear
Colour of solution	BY7 max
Copper	5 ppm max
Heavy Metals	10 ppm max
Lead	2 ppm max
Iron	2 ppm max
Cadmium	1 ppm max
Arsenic	3 ppm max
Mercury	0.1 ppm max
Zinc	25 ppm max
Oxalic acid	0.2% max
Sulphate Ash(Residue on Ignition)	0.1% max
Specific optical rotation	+20.5° ~ 21.5°
Assay	99.0~ 100.5%
Loss on Drying	0.4% max
Residue Solvents	Methanol: NMT 3000 ppm
Related substances	Impurity C ≤0.15%; D≤0.15%; Any other impurities≤0.10%
Total Impurities	0.2% max

Packing & Loading Information

Packing	25kg carton
Loading	20mt/20fcl w/o pallet, 18mt/20fcl with pallets.