



Product Specification

cdhfinechemical.com

L-ASCORBIC ACID TYPE II FOR BIOCHEMISTRY Meets Analytical Specification of IP, BP, USP, Ph. Eur.

PRODUCT CODE	H04209
SYNONYMS	vitamin C
C.I. NO.	-
CASR NO.	50-81-7
ATOMIC OR MOLECULAR FORMULA	C₆H₈O₆
ATOMIC OR MOLECULAR WEIGHT	176.13
PROPERTIES	-
PARAMETER	LIMIT
Description	White crystalline powder.
Solubility	10% aq. solution is clear & colourless.
Minimum Assay (T)	99.7%
Melting point (decomposition)	190 – 192°C
pH (5% aq. solution)	2.2 – 2.5
Specific rotation (a) $\frac{20}{D}$ (C=10% in water)	+ 20.5° to + 21.5°
MAXIMUM LIMIT OF IMPURITIES	
Loss on drying	0.1%
Sulphated ash	0.1%
Chloride (Cl)	0.005%
Sulphate (SO ₄)	0.002%
Iron (Fe)	0.0002%
Heavy Metals (Pb)	0.0005%
Note(s): Assay (if applicable) method mentioned.	
2) Protected from light	
WARNING Hazard statements: May be harmful if swallowed. Precautionary statements Prevention: ----- Response: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.	IMDG Code : UN No. : IATA :
Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.	
Hazard Pictogram(s) :-	

