

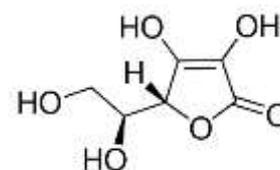


Product Specification

cdhfinechemical.com

L-ASCORBIC ACID AR/ACS FOR BIOCHEMISTRY Meets Analytical Specification of IP, BP, USP, Ph. Eur.

PRODUCT CODE	459995
SYNONYMS	vitamin C
C.I. NO.	—
CASR NO.	50-81-7
ATOMIC OR MOLECULAR FORMULA	C₆H₈O₆
ATOMIC OR MOLECULAR WEIGHT	176.13
PROPERTIES	Light sensitive.
PARAMETER	LIMIT
Description	Colourless or white to pale yellow crystalline powder.
Solubility	10% solution in water is clear and almost colourless.
Identification	Passes tests.
Minimum Assay (Iodometric)	99.7%
Melting Point (Decomposition)	190 - 192°C
pH of (5% <u>soln.in</u> water)	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 (at 110°C)	0.1%
Sulphated ash	0.1%
Water insoluble matter	0.003%
Chloride (Cl)	0.005%
Sulphate (SO ₄)	0.002%
Iron (Fe)	0.0002%
Heavy Metals (Pb)	0.001%
Org. volatile impurities	Meets the requirement.
Oxalic acid	0.2%
Related substance	Passes test
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) :-	



Replace Date 10-Mar-2026