

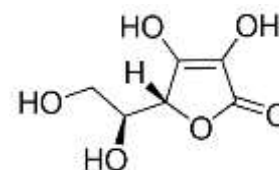


Product Specification

cdhfinechemical.com

L-ASCORBIC ACID FOR MOLECULAR BIOLOGY

PRODUCT CODE	914925
SYNONYMS	vitamin C
C.I. NO.	—
CASR NO.	50-81-7
ATOMIC OR MOLECULAR FORMULA	C ₆ H ₈ O ₆
ATOMIC OR MOLECULAR WEIGHT	176.13
PROPERTIES	Light sensitive.



PARAMETER	LIMIT
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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	0.1%
Sulphated ash	0.1%
Chloride (Cl)	0.005%
Sulphate (SO ₄)	0.002%
Iron (Fe)	0.0002%
Heavy Metals (Pb)	0.0005%
DNase, RNase, Protease	Not detected

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.

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) :-

IMDG Code :

UN No. :

IATA :