



Product Specification

L-ASCORBIC ACID

FOR BIOCHEMISTRY

PRODUCT CODE	044006
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	Almost white to pale yellow to brown crystalline powder.
Solubility	10% solution in water is clear and almost colourless.
Identification	Passes test
Minimum Assay (Iodometric)	99.0%
Melting point	190 – 192°C
Specific Optical rotation (a) $\frac{20}{D}$ (C=10%, in water at 20°C)	+20.5 ⁰ to +21.5 ⁰

MAXIMUM LIMIT OF IMPURITIES

Residue on ignition	0.1%
Iron (Fe)	0.001%
Heavy Metals (as Pb)	0.001%

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: Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water.

IMDG Code :

UN No. :

IATA :

Hazard Pictogram(s) :-