



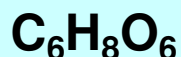
SDFCL
s d fine-chem limited

Quality Control Dept.



Q. Product Specification

E Control	QC2\DATAD\D:\PS\20303XPS.xls
PRODUCT CODE	20303
PRODUCT NAME	L-ASCORBIC ACID AR, ACS Meets Analytical Specification of IP, BP, USP, Ph.Eur. (for Biochemistry)
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
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%
pH of (5% soln.in water)	2.2 – 2.5
Melting point	190 – 192 °C
Loss on drying (at 110 °C)	Max.0.1%
Sulphated ash	Max. 0.05%
20° Specific rotation (a) (C=10% in water) D	+ 20.5° to + 21.5°
Absorbance (of 0.001% w/v soln.in 0.01M HCl at λ max.244 nm)	About 0.56
MAXIMUM LIMIT OF IMPURITIES	
Water insoluble matter	0.003%
Chloride (Cl)	0.005%
Sulphate (SO ₄)	0.002%
Copper (Cu)	0.0005%
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) : 1) 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 : --
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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) :--

Prepared By : Name/Dept. : Officer (Q.A.) Sign. : Date : 21.04.2010	Checked By: Name/Dept.:Incharge(Q.A.) Sign. : Date : 21.04.2010	Approved By: Name/Dept. : Incharge (Tech.) Sign. : Date : 22.04.2010	Issue Date : 01.07.2002 Revision No.: 05 Revision dt. : 22.04.2010 AMEND NO. :1554
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