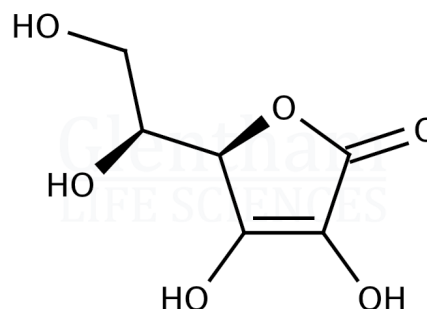


Product Specification

Product Name	L-(+)-Ascorbic acid
Glentham Code	GV5017
CAS Number	50-81-7
EINECS	200-066-2
MDL Number	MFCD00064328
PubChem SID	310267041
Molecular Weight	176.12
Molecular Formula	C ₆ H ₈ O ₆
Storage Temp.	+20°C



Property	Specification
Physical Description	White crystalline powder
Melting Point	190 - 192 °C
pH	2.2 - 2.5
Heavy Metals	≤ 0.0010%
Iron	≥ 2ppm
Copper (Cu)	≥ 5ppm
Oxalic Acid	≤ 0.2%
Sulphated Ash	≤ 0.1%
Specific Optical Rotation ([α] ₂₀ /D)	+20.5 - +21.5 °
Residual Solvents	≤ 3000ppm
Related Substances	Impurity C ≤ 0.15%
	Impurity D ≤ 0.15%
	Impurity E ≤ 0.2%
Assay	99.0 - 100.5 %
Pharmacopoeia Specification(s)	USP / BP / EP

Specification Version	-	v1.1
Date Created	-	2022-04-20

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025