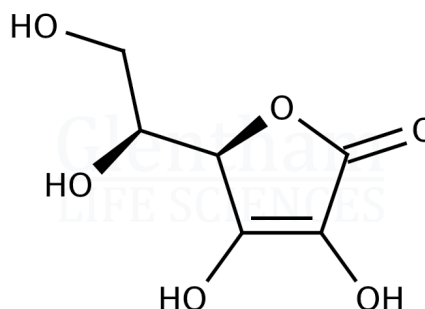


Product Specification

Product Name	L-(+)-Ascorbic acid, 99.5%, BP, Ph. Eur., USP grade
Glentham Code	GV9871
CAS Number	50-81-7
EINECS	200-066-2
Numéro MDL	MFCD00064328
Molecular Weight	176.12
Molecular Formula	C ₆ H ₈ O ₆
Storage Temp.	+20°C



Property	Specification
Physical Description	White or almost white crystalline powder, or colourless crystals
Identification	Conforms to latest BP, Ph. Eur., USP
Solubility (5% in water)	Clear, colourless solution (colour ≤ BY7)
pH (5% in water)	2.1 - 2.6
Melting Point	Approx. 190°C
Specific Optical Rotation	+20.5 - +21.5 °
Impurity E	≤ 0.2%
Impurity C	≤ 0.15%
Impurity D	≤ 0.15%
Any Unspecified Impurity	≤ 0.10%
Total Impurities	≤ 0.2% (excluding C and D)
Copper (Cu)	≤ 5ppm
Iron (Fe)	≤ 2ppm
Heavy Metals	≤ 10ppm
Arsenic (As)	≤ 3ppm
Lead (Pb)	≤ 2ppm
Mercury (Hg)	≤ 1ppm
Sulphated Ash	≤ 0.1%
Loss on Drying	≤ 0.2%
Assay	99.5 - 100.5 % (C ₆ H ₈ O ₆ , as-is basis)
Pharmacopoeia Specification(s)	Conforms BP, Ph. Eur., USP

Specification Version	-	v1.0
Date Created	-	2016-08-10

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.

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