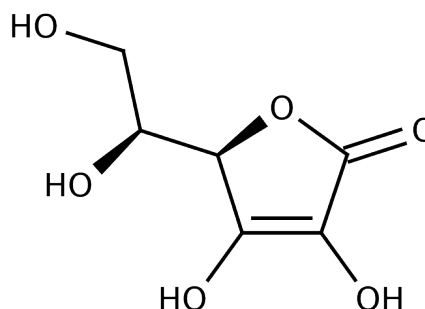


## Product Specification

Product Name : L-(+)-Ascorbic acid, 99.5%, BP, Ph.  
Eur., USP grade  
Glenthams Code : GV9871  
CAS Number : 50-81-7  
EINECS : 200-066-2  
MDL Number : MFCD00064328

Molecular Weight : 176.12  
Molecular Formula : C<sub>6</sub>H<sub>8</sub>O<sub>6</sub>  
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	≤ 0.1%
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 <sub>6</sub> H <sub>8</sub> O <sub>6</sub> , as-is basis)
Pharmacopoeia Specification(s)	Conforms BP, Ph. Eur., USP

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

## Product Specification

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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