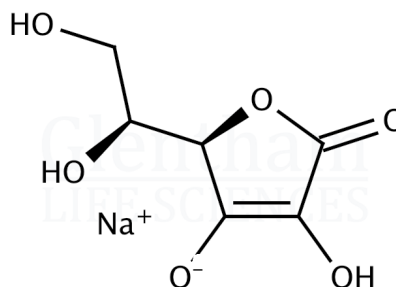


Certificate of Analysis

Product Name	Sodium L-ascorbate, BP, Ph. Eur., USP grade
Glenthams Code	GC0078
CAS Number	134-03-2
EINECS	205-126-1
Numéro MDL	MFCD00082340
Batch Number	305XWY
Molecular Weight	198.11
Molecular Formula	C ₆ H ₇ NaO ₆
Storage Temp.	+20°C



Property	Specification	Batch 305XWY
Physical Description	White to light-yellow crystalline powder or crystals	Almost white crystalline powder
Identification	Tests according to BP, Ph. Eur., USP	Conforms
Solubility (10% in water)	Clear, colourless to pale yellow solution	Clear, pale yellow solution
pH (10% in water)	7.0 - 8.0	7.9
Specific Optical Rotation	+103 - +106 ° (dried basis)	+105.1°
Oxalic Acid	≤ 0.2%	< 0.2%
Impurities C, D	≤ 0.15%	< 0.15%
Any Unspecified Impurity	≤ 0.1%	< 0.1%
Total Impurities	≤ 0.2% (exc. C + D)	< 0.2%
Sulphates	≤ 150ppm	< 150ppm
Copper (Cu)	≤ 5ppm	< 5ppm
Iron (Fe)	≤ 2ppm	< 2ppm
Nickel (Ni)	≤ 1ppm	< 1ppm
Heavy Metals	≤ 10ppm	< 10ppm
Arsenic (As)	≤ 3ppm	< 3ppm
Lead (Pb)	≤ 2ppm	< 2ppm
Mercury (Hg)	≤ 1ppm	< 1ppm
Loss on Drying	≤ 0.25%	< 0.03%
Assay	99.0 - 101.0 % (dried basis)	99.4%
Pharmacopoeia Specification(s)	BP, Ph. Eur., USP	Conforms

Specification Version	v1.1
Manufacture Date	2024-06-30
Re-Test Date	2033-02-03

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

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