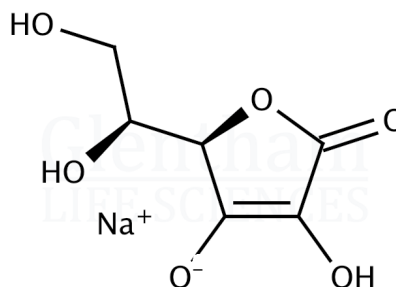


## Certificate of Analysis

Product Name	Sodium L-ascorbate, BP, Ph. Eur., USP grade
Glenthams Code	GC0078
CAS Number	134-03-2
EINECS	205-126-1
MDL Number	MFCD00082340
Batch Number	248FML
Molecular Weight	198.11
Molecular Formula	$C_6H_7NaO_6$
Storage Temp.	+20°C



Property	Specification	Batch 248FML
Physical Description	White to light-yellow crystalline powder or crystals	White crystalline powder
Identification	Tests according to BP, Ph. Eur., USP	Conforms
Solubility (10% in water)	Clear, colourless to pale yellow solution	Clear, colourless solution
pH (10% in water)	7.0 - 8.0	7.7
Specific Optical Rotation	+103 - +106 ° (dried basis)	+106°
Oxalic Acid	≤ 0.3%	≤ 0.3%
Impurities C, D	≤ 0.15%	Conforms
Any Unspecified Impurity	≤ 0.1%	≤ 0.1%
Total Impurities	≤ 0.2% (exc. C + D)	≤ 0.2%
Sulphates	≤ 150ppm	Conforms
Copper (Cu)	≤ 5ppm	Conforms
Iron (Fe)	≤ 2ppm	Conforms
Nickel (Ni)	≤ 1ppm	Conforms
Heavy Metals	≤ 10ppm	Conforms
Arsenic (As)	≤ 3ppm	Conforms
Lead (Pb)	≤ 2ppm	Conforms
Mercury (Hg)	≤ 1ppm	Conforms
Loss on Drying	≤ 0.25%	0.03%
Assay	99.0 - 101.0 % (dried basis)	99.5%
Pharmacopoeia Specification(s)	BP, Ph. Eur., USP	Conforms

Specification Version	v1.0
Manufacture Date	2021-05-05
Re-Test Date	2030-06-30

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](http://www.glenthams.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. © Glenthams Life Sciences Ltd, 2024