

Certificate of Analysis

Product Name	Sodium L-ascorbate, BP, Ph. Eur., USP grade, suitable for microbiology
Glenthams Code	GE1343
CAS Number	134-03-2
EINECS	205-126-1
MDL Number	MFCD00082340
Batch Number	650DNK

Molecular Weight	198.11
Molecular Formula	$C_6H_7NaO_6$
Storage Temp.	+20°C

Property	Specification	Batch 650DNK
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	Conforms
pH (10% in water)	7.0 - 8.0	7.7
Specific Optical Rotation	+103 - +106 ° (dried basis)	+106°
Oxalic Acid	≤ 0.2%	≤ 0.2%
Impurities C, D	≤ 0.15%	Conforms
Any Unspecified Impurity	≤ 0.10%	≤ 0.10%
Total Impurities	≤ 0.2% (exc. C + D)	Conforms
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%	0.1%
Total Plate Count	≤ 1000CFU/g	≤ 1000CFU/g
Total Yeast and Mould Count	≤ 100CFU/g	≤ 100CFU/g
Escherichia coli	Negative	Conforms
Salmonella	Negative	Conforms
Staphylococcus aureus	Negative	Conforms
Assay	99.0 - 101.0 % (dried basis)	99.5%
Pharmacopoeia Specification(s)	BP, Ph. Eur., USP	Conforms

Specification Version	v1.1
Manufacture Date	2021-05-05

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Re-Test Date 2030-06-30

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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