

**ACROSS BIOTECH**

MAKE A DIFFERENCE

Certificate of Analysis

Product:	Sodium Ascorbate	Cas No.:	134-03-2
Quantity:	4000 KG	Package:	25kg/carton
MFG Date:	2024/03/19	Batch No.:	DY0332400139
EXP Date:	2026/03/18	Standard:	USP/FCC/E301/EP

Item	Specification	Results
Characteristics	White or very faintly yellow crystals or crystalline powder	White crystalline powder
Identification	IR: Complied Na: Positive CA: Positive	Complied Positive Positive
pH (10% aqueous solution)	7.0~8.0	7.6
Clarity Of Solution	Clear	Clear
Color Of Solution	≤BY6 or Y6	Complied
Loss of Drying	≤0.25%	0.04%
Specific Optical Rotation	+103°—+106°	+105°
Heavy metals	≤10ppm	<10ppm
Sulphates	≤150.0ppm	<150ppm
Copper	≤5ppm	<5ppm
Mercury	≤1.0ppm	<1.0ppm
Lead	≤2.0ppm	<2.0ppm
Arsenic	≤3.0ppm	<3.0ppm
Nickel	≤1.0ppm	<1.0ppm
Iron	≤2ppm	<2ppm
Oxalic Acid (Impurity E)	≤0.2%	<0.2%
Impurity C, D	≤0.15%	<0.15%
Unspecified impurities (each impurity)	≤0.1%	<0.1%
Total impurities other than C and D	≤0.2%	<0.2%
Residual Solvents	Methanol≤3000ppm	Conform
Assay (Na)	11.1%-12.1% (as dry substance)	11.5%



ACROSS BIOTECH

MAKE A DIFFERENCE

Assay (as dry substance)	99.0%-101.0%	99.7%
Conclusion:	This batch of Sodium Ascorbate meets the requirements of EP 11.2th, E301, USP (Official as of 1-Aug-2023) and FCC 13.GMO free.	