



CERTIFICATE OF ANALYSIS

Product Information

Product Name	Calcium Ascorbate
Batch Number	032412908
Manufacture Date	02/12/2024
Expiry Date	01/12/2028

Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	White to slightly yellow crystalline powder	White to slightly yellow crystalline powder
Identification	Positive	Positive
Assay	98.0 – 100.5 %	99.5 %
Loss on Drying	≤0.10 %	0.05 %
Specific Rotation	+95° – +97°	+96.2°
pH (10% w/V)	6.8 – 7.4	7.3

Heavy Metals

Analysis Item	Specification	Result
Heavy Metals	≤3 ppm	<3 ppm
Arsenic (As)	≤1 ppm	<1 ppm
Lead (Pb)	≤1 ppm	<1 ppm
Cadmium (Cd)	≤1 ppm	<1 ppm
Mercury (Hg)	≤0.1 ppm	<0.1 ppm
Fluoride	≤10 ppm	<10 ppm

Residual Solvents

Analysis Item	Specification	Result
Methanol	≤3000 ppm	<3000 ppm

Microbiological Tests

Analysis Item	Specification	Result
Total Plate Count	≤1000 CFU/g	<1000 CFU/g
Yeast & Moulds	≤100 CFU/g	<100 CFU/g