

CERTIFICATE OF ANALYSIS

Product Name	Ascorbic acid 2-glucoside (AA2G)		
Batch Number	20240925	Manufacture Date	20240925
Report Date	20240925	Expiry Date	20260924

Item of Analysis	Specification	Results
Assay %	≥99.5	99.7
Free ascorbic acid %	≤0.1	<0.1
Free glucose %	≤0.1	<0.1
Appearance and smell	White to creamy white crystalline powder, odorless	Conform
Solubility	Soluble in water	Soluble in water
Solution clarity	Solution should be clarified	Conform
The colour of the aqueous solution	≤0.010(Absorbance)	0.006
Melting point °C	158~163	158.4~160.3
Specific rotation	(a) ²⁰ _D =+186.0~+188.0°	186.67°
pH(1% W/V)	2.0-2.5	2.3
Loss on drying %	≤0.5	0.11
Residue on ignition %	≤0.2	0.10
Heavy metals (as Pb) ppm	≤10	<10
Arsenic (as As ₂ O ₃) ppm	≤2	<2
Total Plate count cfu/g	≤100	<10
Molds and Yeast cfu/g	≤50	<10
E.Coli	Negative	Negative
Staphylococcus aureus	Negative	Negative
P.aeruginosa	Negative	Negative

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

