

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Vitamin C (Ascorbyl Glucoside)
<b>INCI Name</b>	Ascorbyl Glucoside
<b>CAS#</b>	129499-78-1
<b>Lot Number</b>	20241219
<b>Manufacture Date</b>	12/2024
<b>Re-test Date</b>	12/2026

Analytical Tests	Specification	Results
<b>Appearance</b>	White to cream powder	Complies
<b>pH</b>	2.0 ~ 2.5	2.2
<b>Melting Point</b>	158°C ~ 163°C	162.3 °C
<b>Optical rotation</b>	+186.0° ~ +188.0°	+186.4°
<b>Loss on drying</b>	≤ 1.0%	0.24%
<b>Residue on ignition</b>	≤ 0.2%	< 0.1%
<b>Free ascorbic acid</b>	≤ 0.1%	< 0.1%
<b>Free glucose</b>	≤ 0.1%	< 0.1%
<b>Assay</b>	≥ 98%	99.6%
<b>Lead</b>	≤ 10 mg/kg	< 10 mg/kg
<b>Arsenic</b>	≤ 1 mg/kg	< 1 mg/kg
<b>Mercury</b>	≤ 1 mg/kg	< 1 mg/kg
<b>Cadmium</b>	≤ 5 mg/kg	< 5 mg/kg
<b>Total plate count</b>	≤ 1000 cfu/g	Complies
<b>Yeast &amp; mould</b>	≤ 100 cfu/g	Complies

### **STABILITY AND STORAGE:**

Keep in tightly closed container in a cool and dry place, protected from sunlight. Room temperature is suitable for regular storage, and a temperature of 2-8°C or lower for long-term storage.

**As it is electronically generated document, hence no signature required.**

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