



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis

Product Name: Isoascorbic Acid

Product Information

Product Number: IAA-20260203 Batch Number: IAA-B2026020301 Brand: SIGALD CAS Number: 89-65-6 Formula: C₆ H₈ O₆ Molecular Weight: 176.13 g/mol Purity Grade: ≥ 99.0% (w/w) Quality Release Date: 03 FEB 2025

Test Item	Specification (Food & Pharma Grade)	Result	Test Method
Appearance	White to off-white crystalline powder, odorless	White crystalline powder	Visual Inspection
Purity (HPLC)	≥ 99.0%	99.4%	High Performance Liquid Chromatography
Melting Point (°C)	168-172 (decomposition)	169-171	Melting Point Apparatus Method
Moisture Content (Karl Fischer)	≤ 0.5%	0.28%	Karl Fischer Titration Method
Ash Content	≤ 0.1%	0.05%	Ignition Method (800±50°C)
Heavy Metals (Pb) Content	≤ 0.0002%	0.0001%	Atomic Absorption Spectrometry (AAS)
Chloride (Cl ⁻) Content	≤ 0.005%	0.002%	Silver Nitrate Turbidimetry
Specific Rotation ([α] ₂₀ ^D)	+95° to +105° (10% in water)	+99.2°	Polarimeter Method

This batch of product has been tested in accordance with FCC-VI, USP-NF and GB 1886.285-2020 standards, meeting all specified requirements for Isoascorbic Acid. It is qualified for use in food, pharmaceutical, cosmetic and other applicable scenarios.

Issue Date: 03 FEB 2025