



NEWAY SINOPHC TECH. LIMITED

ADD:RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.
 Email:marketing01@newayphc.com; Phone:+86-021-50350029 <https://www.newayphc.com>

Certificate of Analysis (COA)

Issue Date: 28 FEB 2026 Quality Release Date: 28 FEB 2026

Product Information

Product Name	Succinic Acid (Food Grade)
Product Number	SAC-20260228
Batch Number	SAC-SH2026022801
Brand	SIGALD
CAS Number	110-15-6
MDL Number	MFCD00002780
Formula	C ₄ H ₆ O ₄
Formula Weight	118.09 g/mol

Test	Specification	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection
Appearance (Form)	Crystalline powder, free-	Free-flowing	-	Visual Inspection
Assay (Succinic)	≥ 99.5%	99.8%	%	Titration Method (NaOH)
Melting Point	185-187°C	186.2°C	°C	Melting Point Apparatus
pH Value (25°C, 5%)	2.0-3.0	2.5	-	Digital pH Meter
Loss on Drying	≤ 0.2%	0.08%	%	Gravimetry
Ash Content	≤ 0.05%	0.01%	%	550°C Ignition
Chloride (as Cl ⁻)	≤ 0.005%	0.001%	%	Volumetric Method
Sulfate (as SO ₄ ²⁻)	≤ 0.005%	0.001%	%	Turbidimetric Method
Heavy Metals (Pb)	≤ 1 ppm	0.1 ppm	ppm	Atomic Absorption
Arsenic (As)	≤ 0.5 ppm	< 0.1 ppm	ppm	Atomic Fluorescence
Cadmium (Cd)	≤ 0.1 ppm	< 0.05 ppm	ppm	Atomic Absorption
Mercury (Hg)	≤ 0.01 ppm	< 0.005 ppm	ppm	Cold Vapor Atomic
Total Bacterial	≤ 100 CFU/g	8 CFU/g	CFU/g	Plate Count Method
Yeast & Mold	≤ 10 CFU/g	< 5 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological
Salmonella	Negative	Negative	-	ISO 6579-1
Solubility	Soluble in water, ethanol	Conforms	-	Visual & Gravimetric
Supplier Information	Confirmed	Confirmed	-	-
Registered	Confirmed	Confirmed	-	-

Test Results

Certification

This batch of product has been tested in accordance with national and international food additive industrial standards for Succinic Acid and meets all specified requirements. It is qualified for use as a food additive.