



# 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)

**Product Name: Disodium Succinate (Food Grade)**

### Product Information

Item	Details
Product Number	DSS-20260229
Batch Number	DSS-SH2026022901
Brand	SIGALD
CAS Number	150-90-3
MDL Number	MFCD00002750
Formula	C <sub>4</sub> H <sub>4</sub> Na <sub>2</sub> O <sub>4</sub>
Molecular Weight	162.05 Da
Quality Release Date	29 FEB 2026

### Test Results (Compliant with National Food Additive Standards & FCC/USP)

Test	Specification	Result	Unit	Test Method
Appearance	White crystalline powder; free-flowing, no caking	White crystalline powder	-	Visual Inspection
Odor	Odorless	Odorless	-	Sensory Evaluation
Assay (Disodium Succinate)	≥ 99.0%	99.8%	%	Titration Method
Loss on Drying	≤ 1.0%	0.35%	%	Gravimetric Method (120°C, 4h)
pH Value (5% aqueous, 25°C)	7.0-9.0	8.2	-	Digital pH Meter
Heavy Metals (as Pb)	≤ 1 ppm	<0.01 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤ 0.5 ppm	<0.01 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Cadmium (Cd)	≤ 0.05 ppm	<0.01 ppm	ppm	AAS
Mercury (Hg)	≤ 0.01 ppm	<0.01 ppm	ppm	Cold Vapor Atomic Absorption
Chloride (Cl <sup>-</sup> )	≤ 0.01%	<0.005%	%	Titration Method
Sulfate (SO <sub>4</sub> <sup>2-</sup> )	≤ 0.01%	<0.005%	%	Turbidimetric Method
Total Bacterial Count	≤ 100 CFU/g	13 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Salmonella	Negative in 25g	Negative	-	Microbiological Detection

### Certification

This batch of **Food Grade Disodium Succinate (CAS 150-90-3)** has been tested in accordance with the national food additive standards for flavor enhancers and FCC/USP quality specifications. It meets all specified requirements and is qualified for food production and application.

**Date:** 29 FEB 2026