



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

Item	Details
Product Name	Saccharose (Sucrose) (Food Grade, Anhydrous)
Product Number	SAC-20260228
Batch Number	SAC-SH2026022801
Brand	SIGALD
CAS Number	57-50-1
MDL Number	MFCD00006626
Formula	C ₁₂ H ₂₂ O ₁₁
Formula Weight	342.30 g/mol

Test Results

Test Item	Specification	Test Result	Unit	Test Method
Appearance (Color)	White crystalline	White	-	Visual Inspection
Appearance (Form)	Free-flowing, no caking	Free-flowing	-	Visual Inspection
Assay (Saccharose)	≥ 99.5%	99.85%	%	High Performance Liquid
Melting Point	185-187°C (decomposes)	186.2°C	°C	Melting Point Apparatus
pH Value (25°C, 5%)	5.0-7.0	6.3	-	Digital pH Meter
Loss on Drying	≤ 0.1%	0.03%	%	Gravimetry
Ash Content	≤ 0.05%	0.01%	%	550°C Ignition Gravimetry
Reducing Sugar (as	≤ 0.05%	0.02%	%	Titration Method
Heavy Metals (Pb)	≤ 0.5 ppm	0.1 ppm	ppm	Atomic Absorption
Arsenic (As)	≤ 0.1 ppm	< 0.05 ppm	ppm	Atomic Fluorescence
Cadmium (Cd)	≤ 0.05 ppm	< 0.01 ppm	ppm	Atomic Absorption
Mercury (Hg)	≤ 0.01 ppm	< 0.005 ppm	ppm	Cold Vapor Atomic
Iron (Fe)	≤ 5 ppm	1 ppm	ppm	Colorimetric Method
Total Bacterial Count	≤ 50 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 Detection
Salmonella	Negative	Negative	-	ISO 6579-1
Solubility	Freely soluble in water, slightly	Conforms	-	Visual & Gravimetric
Supplier Information	Confirmed	Confirmed	-	-
Registered	Confirmed	Confirmed	-	-

Certification

This batch of Saccharose (Sucrose) (Food Grade, Anhydrous) has been tested in accordance with national and international food additive industrial standards for sweeteners, and all test results meet the specified quality requirements. The product is qualified for use as a food additive (sweetener, bulking agent).