



# NEWAY SINOPHC TECH. LIMITED

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## Certificate of Analysis (COA)

**Product Name: Saccharin (Feed Grade)**

### Product Information

Item	Details
Product Number	SAC-FEED-20260224
Batch Number	SAC-F2026022401
Brand	SIGALD
CAS Number	81-07-2
MDL Number	MFCD00005312
Formula	C <sub>7</sub> H <sub>5</sub> NO <sub>3</sub> S
Formula Weight	183.18 g/mol
Quality Release Date	24 FEB 2026

### Test Results (Compliant with Feed Additive Standards)

Test	Specification (Feed Grade)	Result	Unit	Test Method
Appearance	White crystalline powder, odorless	White crystalline powder	-	Visual Inspection
Assay (Saccharin)	≥99.0%	99.6%	%	Titration (Volumetric Method)
Melting Point	226-230°C	228.3°C	°C	Melting Point Apparatus
pH Value (1% Aqueous, 25°C)	4.0-6.0	5.2	-	Digital pH Meter
Loss on Drying	≤0.5%	0.12%	%	105°C, 2 Hours
Residue on Ignition	≤0.1%	0.03%	%	600±50°C
Heavy Metals (as Pb)	≤1 ppm	0.2 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤0.5 ppm	0.04 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Chloride (Cl <sup>-</sup> )	≤0.005%	0.002%	%	Volumetric Method
Sulfate (SO <sub>4</sub> <sup>2-</sup> )	≤0.005%	0.002%	%	Turbidimetric Method
Solubility in Water	Freely soluble	Conforms	-	Visual Inspection
Total Bacterial Count	≤10 CFU/g	3 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Salmonella	Negative in 25g	Negative	-	GB 13078.1

### Certification

This batch of **Feed Grade Saccharin** has been tested in accordance with **GB 13078.1-2017 (Feed Hygiene Standard)** and relevant national feed additive specifications for sweeteners. It meets all specified requirements for feed additive use and is qualified for release.

**Date:** 24 FEB 2026