



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Name: Anhydrous Glucose (Feed Grade)

Product Information

Item	Details
Product Number	AG-FEED-20260228
Batch Number	AG-F2026022801
Brand	SIGALD
CAS Number	50-99-7
MDL Number	MFCD00004726
Formula	C ₆ H ₁₂ O ₆
Formula Weight	180.16 g/mol
Quality Release Date	28 FEB 2026

Test Results (Compliant with Feed Additive Standards)

Test	Specification (Feed Grade)	Result	Unit	Test Method
Appearance	White crystalline powder, free-flowing, odorless	White crystalline powder	-	Visual & Olfactory Inspection
Assay (Anhydrous Glucose)	≥99.0%	99.6%	%	High Performance Liquid Chromatography (HPLC)
Moisture Content	≤0.5%	0.2%	%	Karl Fischer Titration
pH Value (5% aqueous, 25°C)	4.0-6.5	5.1	-	Digital pH Meter
Reducing Sugar (as glucose)	≥99.0%	99.5%	%	Titrimetric Method (Fehling's reagent)
Residue on Ignition	≤0.1%	0.04%	%	Gravimetric Method (600±50°C)
Heavy Metals (as Pb)	≤5 ppm	0.8 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤2 ppm	0.1 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Cadmium (Cd)	≤1 ppm	0.06 ppm	ppm	AAS
Mercury (Hg)	≤0.1 ppm	<0.01 ppm	ppm	Cold Vapor Atomic Absorption
Total Bacterial Count	≤100 CFU/g	18 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Salmonella	Negative in 25g	Negative	-	GB 13078.1
Bulk Density	0.60-0.80 g/cm ³	0.72	g/cm ³	Volumetric Method

Certification

This batch of **Feed Grade Anhydrous Glucose** has been tested in accordance with **GB 13078.1-2017 (Feed Hygiene Standard)** and national industrial standards for feed grade glucose. It meets all specified requirements for feed additive use and is qualified for release.

Date: 28 FEB 2026