



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Issue Date: February 29, 2026 **Quality Release Date:** February 29, 2026

Product Information

Product Name Glucose Monohydrate (Feed Grade)

Product Number GLU-F20260229

Batch Number GLU-SH2026022901

Brand SIGALD

CAS Number 5996-10-1

EINECS Number 208-373-7

Formula $C_6H_{12}O_6 \cdot H_2O$

Formula Weight 198.17 g/mol

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection
Appearance (Form)	Crystalline powder, free-flowing	Free-flowing crystalline powder	-	Visual Inspection
Assay (Glucose Monohydrate)	≥ 99.0%	99.6%	%	High Performance Liquid Chromatography (HPLC)
Loss on Drying	7.5-9.0%	8.2%	%	105°C, 2h Gravimetry
Ash Content	≤ 0.1%	0.03%	%	550°C, 3h Ignition
pH Value (10% aqueous solution, 25°C)	4.0-6.0	5.1	-	Digital pH Meter
Reducing Sugar (as glucose)	≥ 99.0%	99.5%	%	Titration Method
Heavy Metals (Pb)	≤ 5 ppm	0.8 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	< 0.3 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Cadmium (Cd)	≤ 0.5 ppm	< 0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Mercury (Hg)	≤ 0.1 ppm	< 0.05 ppm	ppm	Cold Vapor AAS
Total Bacterial Count	≤ 10 ³ CFU/g	35 CFU/g	CFU/g	Plate Count Method
Yeast & Mold	≤ 10 ² CFU/g	< 10 CFU/g	CFU/g	Plate Count Method
E. coli	Negative	Negative	-	Microbiological Detection
Salmonella	Negative	Negative	-	ISO 6579-1
Solubility	Freely soluble in water	Conforms	-	Visual & Gravimetric Method

Certification

This batch of Glucose Monohydrate (Feed Grade) has been tested in accordance with the specified industrial standards for carbohydrate feed additives and meets all quality requirements. It is qualified for release and use in animal nutrition.