



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Name:**Potassium Sorbate (Food Grade)**

Product Information

Product Number	PS-20260226
Batch Number	PS-SH2026022601
Brand	SIGALD
CAS Number	590-00-1
MDL Number	MFCD00013539
Formula	C ₆ H ₇ KO ₂
Formula Weight	150.22 g/mol
Quality Release Date	26 FEB 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	White to off-white	White	-	Visual Inspection
Appearance (Form)	Crystalline powder or granule, free-flowing	Crystalline powder	-	Visual Inspection
Assay (C ₆ H ₇ KO ₂)	≥ 99.0%	99.5%	%	Acid-Base Titration
Moisture Content	≤ 1.0%	0.3%	%	105°C Constant Weight Method
pH Value (25°C, 5% aqueous solution)	7.0-8.5	7.8	-	Digital pH Meter
Free Acid (as sorbic acid)	≤ 0.5%	0.2%	%	Titration Method
Free Alkali (as K ₂ CO ₃)	≤ 0.2%	0.08%	%	Titration Method
Heavy Metals (Pb)	≤ 0.5 ppm	0.1 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	≤ 0.1 ppm	< 0.05 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Sulfate (as SO ₄)	≤ 0.01%	0.003%	%	Turbidimetric Method
Chloride (as Cl)	≤ 0.01%	0.002%	%	Nitrate Titration
Melting Point Range	270°C (decomposition)	270°C (decomposition)	°C	Melting Point Apparatus
Supplier Information	Confirmed	Confirmed	-	-
Registered Trademark	Confirmed	Confirmed	-	-

Certification This batch of product has been tested in accordance with industrial standards for food-grade Potassium Sorbate and meets all specified requirements. It is qualified for use as a food additive (preservative, antifungal agent).

Issue Date: 26 FEB 2026