



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Information

Item	Details
Product Name	Potassium Oxalate
Product Number	PO-20260229
Batch Number	PO-SH2026022901
Brand	SIGALD
CAS Number	583-52-8
MDL Number	MFCD00011407
Formula	$K_2C_2O_4$
Formula Weight	166.22 g/mol
Quality Release Date	29 FEB 2026

Test Results

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	White	White	-	Visual Inspection
Appearance (Form)	Crystalline powder/crystals	Crystalline powder	-	Visual Inspection
Purity ($K_2C_2O_4$)	$\geq 99.0\%$	99.6%	%	Acid-Base Titration
Moisture Content	$\leq 0.2\%$	0.08%	%	Karl Fischer Titration
pH Value (5% aq. solution, 25°C)	7.0-8.5	7.8	-	Digital pH Meter
Potassium Chloride (KCl) Content	$\leq 0.05\%$	0.01%	%	Silver Nitrate Titration
Potassium Sulfate (K_2SO_4) Content	$\leq 0.05\%$	0.01%	%	Turbidimetric Method
Calcium (Ca) Content	$\leq 0.01\%$	0.002%	%	Atomic Absorption Spectrometry (AAS)
Heavy Metals (Pb)	≤ 2 ppm	0.4 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Iron (Fe)	≤ 2 ppm	0.3 ppm	ppm	Spectrophotometry
Insoluble Matter in Water	$\leq 0.01\%$	0.001%	%	Gravimetric Method
Melting Point	Decomposes $>300^\circ C$	Pass	-	Melting Point Apparatus

Certification

This batch of Potassium Oxalate has been tested in accordance with the established industrial and analytical standards for potassium oxalate and meets all specified requirements for purity, impurity limits and physical properties. It is qualified for use in analytical chemistry, electroplating, textile and pharmaceutical applications.

Issue Date: 29 FEB 2026