



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Issue Date: 25 FEB 2026 Quality Release Date: 25 FEB 2026

Product Information

Product Number LTC-20260225

Batch Number LTC-SH2026022501

Brand SIGALD

CAS Number 554-13-2

MDL Number MFCD00011099

Formula Li_2CO_3

Formula Weight 73.89 g/mol

Test Results

Test	Specification (Pharmacopoeial Standard)	Result	Unit	Test Method
Appearance (Form)	White crystalline powder or granules	White crystalline powder	-	Visual Inspection
Identification	Conforms to standard	Conforms	-	Flame Test + Titration
Assay (on dry basis)	$\geq 99.0\%$	99.6%	%	Acid-Base Titration
Loss on Drying	$\leq 0.5\%$	0.18%	%	105°C, 2h Gravimetry
Residue on Ignition	$\leq 0.1\%$	0.02%	%	550°C Ignition Method
Heavy Metals (Pb)	≤ 5 ppm	0.9 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Heavy Metals (As)	≤ 1 ppm	0.2 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Chloride Content	$\leq 0.01\%$	0.002%	%	Volumetric Titration
Sulfate Content	$\leq 0.03\%$	0.007%	%	Volumetric Titration
Iron Salt (Fe)	$\leq 0.001\%$	0.0003%	%	Colorimetric Method
Calcium Salt (Ca)	$\leq 0.02\%$	0.006%	%	Atomic Absorption Spectrometry (AAS)
Magnesium Salt (Mg)	$\leq 0.005\%$	0.001%	%	Atomic Absorption Spectrometry (AAS)
pH Value (1% aqueous suspension, 25°C)	6.0-8.0	7.1	-	Digital pH Meter
Solubility	Sparingly soluble in water, insoluble in ethanol	Conforms	-	Pharmacopoeial Solubility Test

Certification

This batch of Lithium Carbonate has been tested in accordance with EP 10.0, USP 45 and Chinese Pharmacopoeia (2020) standards. All test results meet the specified quality requirements, and the product is qualified for use as a pharmaceutical raw material.