



# NEWAY SINOPHC TECH. LIMITED

ADD:RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.  
Email:marketing01@newayphc.com; Phone:+86-021-50350029 <https://www.newayphc.com>

## Certificate of Analysis (COA)

### Product Information

Item	Details
Product Name	Potassium Bicarbonate
Product Number	PBC-20260216
Batch Number	PBC-SH2026021601
Brand	SIGALD
CAS Number	298-14-6
MDL Number	MFCD00011390
Formula	$\text{KHCO}_3$
Formula Weight	100.12 g/mol
Quality Release Date	16 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 ( $\text{KHCO}_3$ )	$\geq 99.0\%$	99.5%	%	Acid-Base Titration
Moisture Content	$\leq 0.2\%$	0.1%	%	Karl Fischer Titration
pH Value (1% aq. solution, 25°C)	8.2-9.8	8.9	-	Digital pH Meter
Chloride ( $\text{Cl}^-$ )	$\leq 0.01\%$	0.003%	%	Silver Nitrate Titration
Sulfate ( $\text{SO}_4^{2-}$ )	$\leq 0.01\%$	0.002%	%	Turbidimetric Method
Heavy Metals (Pb)	$\leq 2$ ppm	0.5 ppm	ppm	Atomic Absorption Spectrometry (AAS)
Arsenic (As)	$\leq 1$ ppm	0.2 ppm	ppm	Atomic Fluorescence Spectrometry (AFS)
Sodium (Na)	$\leq 0.5\%$	0.1%	%	Flame Photometry
Insoluble Matter in Water	$\leq 0.01\%$	0.002%	%	Gravimetric Method

### Certification

This batch of product has been tested in accordance with industrial standards for potassium bicarbonate and meets all specified requirements. It is qualified for use.

Issue Date: 16 FEB 2026