



NEWAY SINOPHC TECH. LIMITED

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Certificate of Analysis (COA)

Product Information

Product Name Calcium Bromide
Product Number CABR-20260214
Batch Number CABR-SH2026021401
Brand SIGALD
CAS Number 7789-41-5
MDL Number MFCD00010905
Formula $\text{CaBr}_2 \cdot 2\text{H}_2\text{O}$
Formula Weight 235.98 g/mol

Quality Release Date 14 FEB 2026

Test	Specification (Industry Standard)	Result	Unit	Test Method
Appearance (Color)	White	White	-	Visual Inspection
Appearance (Form)	Crystalline powder or granules	Crystalline granules	-	Visual Inspection
Purity ($\text{CaBr}_2 \cdot 2\text{H}_2\text{O}$)	$\geq 98.0\%$	98.7%	%	Titration Method
Calcium (Ca) Content	17.0-18.0%	17.5%	%	Atomic Absorption Spectrometry (AAS)
Bromide (Br^-) Content	79.0-80.0%	79.6%	%	Silver Nitrate Titration
Moisture Content	$\leq 0.5\%$	0.3%	%	Karl Fischer Titration
Heavy Metals (Pb)	$\leq 0.001\%$	0.0004%	%	Atomic Absorption Spectrometry (AAS)
Iron (Fe)	$\leq 0.005\%$	0.002%	%	Spectrophotometry
Chloride (Cl^-)	$\leq 0.1\%$	0.06%	%	Silver Nitrate Titration
Insoluble Matter in Water	$\leq 0.1\%$	0.05%	%	Gravimetric Method

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

Issue Date: 14 FEB 2026