

Certificate of Analysis

Product: Calcium Carbonate
ACS Reagent
CAS # 471-34-1
CHEMICAL FORMULA : **CaCO₃**
QC Release Date: Jul-09, 2025

Product Code: CP-B0149D
Lot: MKCPCZ2180
Density: 2.93 g/mL, 25C (lit.)
F.W. 100.09 g/mol

Characteristic	Requirement		Results	Units
	Min.	Max.		
Appearance (Color)	white to off-white		white	n/a
Appearance (Form)	Powder		powder	n/a
X-Ray Diffraction	conforms to structure		conforms	n/a
Complexometric EDTA (dry basis)	≥ 99.0		100.4	%
Insoluble Matter, C= 6.7% in dilute HCl	≤ 0.01		0.01	%
Barium	≤ 0.01		<0.01	%
Chloride	≤ 0.001		<0.001	%
Fluoride	≤ 0.0015		<0.0015	%
Iron (Fe)	≤ 0.003		<0.001	%
Potassium (K)	≤ 0.01		<0.01	%
Heavy Metals by ICP-OES	≤ 0.001		<0.001	%
Magnesium (Mg)	≤ 0.02		<0.01	%
Sodium (Na)	≤ 0.1		<0.1	%
Ammonia (NH ₄)	≤ 0.003		<0.003	%
Strontium (Sr)	≤ 0.1		<0.1	%
Sulfate (SO ₄)	≤ 0.01		<0.01	%
Meets ACS requirements	Current ACS Specifications			Conforms

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