

## Certificate of Analysis

Product: Calcium Carbonate  
ACS Reagent  
CAS # 471-34-1  
CHEMICAL FORMULA :  $\text{CaCO}_3$   
QC Release Date: Aug-19, 2024

Product Code: CP-B0149D  
Lot: MKCPCW3372  
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 Diffractation	conforms to structure		conforms	n/a
Complexometric EDTA ( dry basis )	≥ 99.0		100.8	%
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 <sub>4</sub> )	≤ 0.003		<0.003	%
Strontium ( Sr )	≤ 0.1		<0.1	%
Sulfate ( SO <sub>4</sub> )	≤ 0.01		<0.01	%
Meets ACS requirements	Current ACS Specifications			Conforms

This is to certify that samples of the lot number above were tested and found to comply with the stated specifications. Some or all data have been provided by vendors/third parties. ChemPure Brand Chemicals expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular use or purpose. Persons using this information should make their own determination regarding its suitability for their particular use.

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