



# Certificate of Analysis

product name: Sodium hydrogen carbonate  
product number: 106329  
CAS Number: 144-55-8  
batch: 1154642 2024  
Formula:  $\text{NaHCO}_3$

## batch values

Appearance of solution	passes test	
Identity	passes test	
Assay (acidimetric; calculated on dried substance)	99.7 - 100.3	%
Assay (acidimetric)	99.0 - 101.0	%
Insoluble matter	$\leq 0.015$	%
Carbonate ( $\text{CO}_3$ )	passes test	
Chloride (Cl)	$\leq 0.002$	%
Phosphate ( $\text{PO}_4$ )	$\leq 0.001$	%
Sulfate ( $\text{SO}_4$ )	$\leq 0.0150$	%
Phosphate and Silicate (as $\text{SiO}_2$ )	$\leq 0.005$	%
Sulfur compounds (as $\text{SO}_4$ )	$\leq 0.003$	%
Total nitrogen (N)	$\leq 0.0005$	%
Ammonium ( $\text{NH}_4$ )	$\leq 0.0005$	%
Heavy metals (ACS)	$\leq 0.0005$	%
As (Arsenic)	$\leq 0.0002$	%
Ca (Calcium)	$\leq 0.0100$	%
Cu (Copper)	$\leq 0.0002$	%
Fe (Iron)	$\leq 0.0005$	%
K (Potassium)	$\leq 0.005$	%
Mg (Magnesium)	$\leq 0.005$	%
Pb (Lead)	$\leq 0.0005$	%
Iodine reducing matter (as I)	$\leq 0.0065$	%
Loss on drying (Silica gel)	$\leq 0.20$	%

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