

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: Sodium bicarbonate, reagent grade, 99.8%

ITEM NUMBER: S112331  
BRAND: Aladdin  
CAS NUMBER: 144-55-8  
MDL NUMBER: MFCD00003528  
FORMULA: NaHCO<sub>3</sub>  
MOLECULAR WEIGHT: 84.01

TEST	SPECIFICATION		TARGET VALUE
	MIN.	MAX.	
Aluminum(Al)	0 %	0.01 %	0.01 %
Assay	99.8 %	100 %	100 %
Calcium(Ca)	0 μg/mg /	0.007 μg/mg /	0.007 μg/mg /
Chloride and chlorate(Cl)	0 %	0.002 %	0.002 %
Clarity of solution	Clarify		
Heavy metals(Pb)	0 %	0.001 %	0.001 %
Insoluble matter in water	0 %	0.01 %	0.01 %
Iron(Fe)	0 ppm	0.001 ppm	0.001 ppm
Magnesium(Mg)	0 %	0.003 %	0.003 %
Nitrogen(N)	0 %	0.001 %	0.001 %
Phosphate(PO <sub>4</sub> )	0 %	0.002 %	0.002 %
Potassium(K)	0 %	0.01 %	0.01 %
Silicate(SiO <sub>3</sub> )	0 %	0.005 %	0.005 %
solubility in water	pass		
Sulfur compounds(SO <sub>4</sub> )	0 %	0.005 %	0.005 %
X-Ray Diffraction	Conforms to Structure		