

## Certificate of Analysis

Date of Testing: 2022-12-14 13:17:05  
Date of Next Testing: 2024-12-03 13:17:05  
Product Name: **Sodium chloride**  
CAS Number: 7647-14-5  
Specifications & Purity: for molecular biology, ≥99.5%(AT)  
Lot #: K2224079  
SKU #: **C111547**  
Analysis: **085008**

Parameter	Limit Values	Result
Calcium(Ca)	0-50 (ppm)	0.00 ppm
Magnesium(Mg)	0-50 (ppm)	10.00 ppm
Iron(Fe)	0-2 (ppm)	2.00 ppm
Purity	99.5-100 (%)	100.00 %
Heavy metal (as Pb)	0-5 (ppm)	2.00 ppm
UV Absorbance 280nm	0-0.01	0.00
I	0-20 (ppm)	19.00 ppm
Sulfate(SO42-)	0-4 (ppm)	0.00 ppm
Phosphate(PO4)	0-5 (ppm)	0.00 ppm
UV Absorbance 260nm	0-0.01	0.00
Potassium(K)	0-50 (ppm)	8.00 ppm
Appearance (C111547)	White Powder or Crystals	White Powder or Crystals
DNase, RNase and Protease	None Detected	none detected
λ,0.1 M in H2O	Pass	Pass
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager