

Certificate of Analysis

Date of Testing: 2023-12-13 11:57:22

Date of Next Testing: 2025-12-02 11:57:22

Product Name: **Sodium chloride**

CAS Number: 7647-14-5

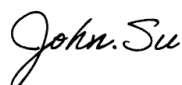
Specifications & Purity: for molecular biology, ≥99.5%(AT)

Lot #: L2301128

SKU #: **C111547**

Analysis: 298838

Parameter	Limit Values	Result
Calcium(Ca)	0-50 (ppm)	1.08 ppm
Magnesium(Mg)	0-50 (ppm)	2.07 ppm
Iron(Fe)	0-2 (ppm)	0.36 ppm
Purity	99.5-100 (%)	99.98 %
UV Absorbance 280nm	0-0.01	0.01
I	0-20 (ppm)	1.08 ppm
Sulfate(SO42-)	0-4 (ppm)	0.00 ppm
Phosphate(PO4)	0-5 (ppm)	0.00 ppm
UV Absorbance 260nm	0-0.01	0.01
Heavy metal (as Pb)	0-5 (ppm)	0.86 ppm
Potassium(K)	0-50 (ppm)	2.41 ppm
Appearance (C111547)	White Powder or Crystals	White Powder or Crystals
DNase, RNase and Protease	None Detected	none detected
X-Ray Diffraction	Conforms to Structure	Conforms to Structure
λ, 0.1 M in H2O	Pass	Pass



John Su
QA & QC Manager