

Certificate of Analysis

Date of Testing: 2023-12-13 11:56:55
Date of Next Testing: 2025-12-02 11:56:55
Product Name: **Sodium chloride**
CAS Number: 7647-14-5
Specifications & Purity: for molecular biology, ≥99.5%(AT)
Lot #: L2301127
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