

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-06-07 13:34:20

Date of Next Testing: 2027-05-28 13:34:20

Product Name: **Sodium chloride**

CAS Number: 7647-14-5

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

Lot #: E2527428

SKU #: **C111547**

Version: **0**

Analysis #: **489198**

Storage Temperature: Room temperature

| Parameter                 | Limit Values             | Result                   |
|---------------------------|--------------------------|--------------------------|
| Calcium(Ca)               | 0-50 (ppm)               | 1.03200 ppm              |
| Magnesium(Mg)             | 0-50 (ppm)               | 0.58600 ppm              |
| Iron(Fe)                  | 0-2 (ppm)                | 0.02630 ppm              |
| Purity                    | 99.5-100 (%)             | 99.98510 %               |
| UV Absorbance 280nm       | 0-0.01                   | 0.00100                  |
| I                         | 0-20 (ppm)               | 0.15200 ppm              |
| Phosphate(PO4)            | 0-5 (ppm)                | 0.00000 ppm              |
| UV Absorbance 260nm       | 0-0.01                   | 0.00100                  |
| Heavy metal (as Pb)       | 0-5 (ppm)                | 0.11500 ppm              |
| Potassium(K)              | 0-50 (ppm)               | 0.45200 ppm              |
| Sulfate(SO42-)            | 0-4 (ppm)                | 4.00000 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    |



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager