

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-26 17:44:15  
 Date of Next Testing: 2027-12-16 17:44:15  
 Product Name: **Urea**  
 CAS Number: 57-13-6  
 Specifications & Purity: Suitable for molecular biology,UltraBio™,≥99.5%(T)  
 Lot #: L2511636  
 SKU #: **U111902**  
 Version: **2**  
 Analysis #: **615459**  
 Storage Temperature: Room temperature,Desiccated,Cool

| Parameter                                                             | Limit Values             | Result                   |
|-----------------------------------------------------------------------|--------------------------|--------------------------|
| Iron(Fe)                                                              | 0-5 (ppm)                | 0.00000 ppm              |
| Purity (T)                                                            | 99-100.5 (%)             | 99.21000 %               |
| Copper(ICP)                                                           | 0-1 (ppm)                | 0.00000 ppm              |
| Chloride Content                                                      | 0-5 (ppm)                | 0.00000 ppm              |
| Lead(Pb)                                                              | 0-2 (ppm)                | 0.00000 ppm              |
| UV Absorbance 260nm(6 M solution)                                     | ≤ 0.06                   | 0.01400                  |
| UV Absorbance 280nm(6 M Solution)                                     | ≤0.06                    | 0.00900                  |
| Cyanate(OCN)                                                          | 0-10 (ppm)               | 9.80000 ppm              |
| Appearance (U111902)                                                  | White Powder or Crystals | White Powder or Crystals |
| Solubility (Turbidity) (100 mg/mL, H <sub>2</sub> O) ,Clear Colorless | Pass                     | Pass                     |
| Infrared spectrum                                                     | Conforms to Structure    | Conforms to Structure    |
| proteases                                                             | none detected            | none detected            |
| RNases                                                                | none detected            | none detected            |
| NICKase,Endonuclease Detection                                        | none Detected            | none detected            |
| DNAse, Exonuclease Detection                                          | None Detected            | none detected            |



[QualityAssurance@aladdinsci.com](mailto:QualityAssurance@aladdinsci.com)

---

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su  
QA & QC Manager