

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-06-11 17:25:33  
 Date of Next Testing: 2028-05-31 17:25:33  
 Product Name: **Urea**  
 CAS Number: 57-13-6  
 Specifications & Purity: Suitable for molecular biology,UltraBio™,≥99.5%(T)  
 Lot #: F2604588  
 SKU #: **U111902**  
 Version: **2**  
 Analysis #: **708509**  
 Storage Temperature: Room temperature,Desiccated,Cool

| Parameter                                                | Limit Values             | Result                   |
|----------------------------------------------------------|--------------------------|--------------------------|
| Iron(Fe)                                                 | 0-5 (ppm)                | 0.00000 ppm              |
| 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                   | 0.01700                  |
| UV Absorbance 280nm(6 M Solution)                        | ≤0.06                    | 0.01200                  |
| Purity (T)                                               | 99-100.5 (%)             | 99.27000 %               |
| Cyanate(OCN)                                             | 0-10 (ppm)               | 10.00000 ppm             |
| Appearance (U111902)                                     | White Powder or Crystals | White Powder or Crystals |
| Solubility (Turbidity) (100 mg/mL, H2O) ,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

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

John Su  
QA & QC Manager