

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-02-05 15:03:49
Date of Next Testing: 2026-01-25 15:03:49
Product Name: **Urea**
CAS Number: 57-13-6
Specifications & Purity: for molecular biology, ≥99.5% (T)
Lot #: A2431054
SKU #: **U111902**
Analysis: **315992**

| Parameter | Limit Values | Result |
|---|--------------------------|--------------------------|
| Iron(Fe) | 0-5 (ppm) | 0.00 ppm |
| Copper(ICP) | 0-1 (ppm) | 0.00 ppm |
| Chloride Content | 0-5 (ppm) | 0.00 ppm |
| Lead(Pb) | 0-2 (ppm) | 0.00 ppm |
| UV Absorbance 260nm(6 M solution) | ≤ 0.06 | 0.00000 |
| UV Absorbance 280nm(6 M Solution) | ≤0.06 | 0.00000 |
| Purity (T) | 99-100.5 (%) | 99.69% |
| Cyanate(OCN) | 0-10 (ppm) | 10.00000 ppm |
| Appearance (U111902) | White Powder or Crystals | White Powder or Crystals |
| Solubility (Turbidity) (100 mg/mL, H ₂ 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 |



John Su
QA & QC Manager