

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-05-28 14:22:29  
Date of Next Testing: 2028-05-27 14:22:29  
Product Name: **Poly(L-arginine hydrochloride)**  
CAS Number: 26982-20-7  
Specifications & Purity:  
Lot #: E2520558  
SKU #: **P489891**  
Version: **1**  
Analysis #: **451448**  
Storage Temperature: Protected from light,Store at -20°C,Argon charged

| Parameter                                      | Limit Values                | Result                      |
|--|-----------------------------|-----------------------------|
| PDI of starting material by GPC                | 1-1.2                       | 1.02000                     |
| Molecular Number by NMR                        | 5200-6400                   | 6400.00000                  |
| degree of polymerization                       | 27-33                       | 33.00000                    |
| Proton NMR spectrum                            | Conforms to Structure       | Conforms to Structure       |
| Solubility,Clear solution at 50 mg/mL of water | Pass                        | Pass                        |
| Appearance(P489891-02)                         | White to faint-yellow solid | White to faint-yellow solid |



John Su  
QA & QC Manager