

## Certificate of Analysis

Date of Testing: 2025-05-24 09:14:03

Date of Next Testing: 2028-05-23 09:14:03

Product Name: **Poly(L-arginine hydrochloride)**

CAS Number: 26982-20-7

Specifications & Purity:

Lot #: E2520563

SKU #: **P489891**

Version: **1**

Analysis #: **451460**

Storage Temperature: Protected from light, Store at -20°C, Argon charged

| Parameter                                       | Limit Values                | Result                      |
|-------------------------------------------------|-----------------------------|-----------------------------|
| PDI of starting material by GPC                 | 1-1.2                       | 1.03000                     |
| Molecular Number by NMR                         | 34600-42400                 | 37500.00000                 |
| degree of polymerization                        | 180-220                     | 195.00000                   |
| Proton NMR spectrum                             | Conforms to Structure       | Conforms to Structure       |
| Solubility, Clear solution at 50 mg/mL of water | Pass                        | Pass                        |
| Appearance(P489891-07)                          | White to faint-yellow solid | White to faint-yellow solid |



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