

## Certificate of Analysis

Date of Testing: 2025-05-28 15:48:28  
Date of Next Testing: 2028-05-27 15:48:28  
Product Name: **Poly(L-arginine hydrochloride)**  
CAS Number: 26982-20-7  
Specifications & Purity:  
Lot #: E2520594  
SKU #: **P489891**  
Version: **1**  
Analysis #: **451499**  
Storage Temperature: Protected from light, Store at -20°C, Argon charged

Parameter	Limit Values	Result
PDI of starting material by GPC	1-1.2	1.04000
MN by NMR	26000-31800	29600.00000
degree of polymerization	135-165	154.00000
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Solubility(Clear solution at 50 mg/mL of water)	Pass	Pass
Appearance(White to faint-yellow solid)	Pass	Pass



John Su  
QA & QC Manager