

Certificate of Analysis

Date of Testing: 2023-10-09 10:06:18

Date of Next Testing: 2027-10-08 10:06:18

Product Name: **Poly-L-glutamic acid sodium salt**

CAS Number: 26247-79-0

Specifications & Purity: average MW 45000

Lot #: I2321669

SKU #: **P579564**

Analysis: **271662**

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

Parameter	Limit Values	Result
Na(Quantitative analysis)	11-15 (%)	12.70000 %
PDI by GPC	1.00-1.20	1.00000
MN by NMR	40800-49800	41800.00000
DPn by NMR	270-330	277.00000
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Solubility,Clear solution,50 mg/mL in H2O	pass	Pass
Appearance(P579564)	White to faint-yellow solid	White to faint-yellow solid



John Su
QA & QC Manager