

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-03-01 09:36:04
 Date of Next Testing: 2027-03-01 09:36:04
 Product Name: **Poly-D-lysine hydrobromide**
 CAS Number: 27964-99-4
 Specifications & Purity: Molecular weight ≥ 300000
 Lot #: B2423038
 SKU #: **P477773**
 Version: **1**
 Analysis #: **203281**
 Storage Temperature: Store at -20°C, Desiccated

Parameter	Limit Values	Result
Specific rotation $[\alpha]_{20/D}(C=1, H_2O, 25^\circ C)$	60-85 (°)	70.50000 °
Water by Karl Fischer	0-10 (%)	5.00000 %
Degree of Polymerization	≥ 1435	2592.00000
Molecular Weight by Viscosity	≥ 300000	541750.00000
Deg of Polymerization (MALLS)	≥ 718	1030.00000
Molecular Weight (MALLS)	≥ 150000	215300.00000
Appearance(P477773)	White to Off-White powder or solid	White to Off-White Powder or Solid
Infrared spectrum	Conforms to structure	Conforms to Structure
solubility H ₂ O, soluble 50g/mL, Colorless to Faint Yellow Clear to pass		Pass
Very Slightly Hazy		



John Su
QA & QC Manager