

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-05 14:14:35
Date of Next Testing: 2026-05-04 14:14:35
Product Name: **Poly-D-lysine hydrobromide**
CAS Number: 27964-99-4
Specifications & Purity: Molecular weight \geq 300000
Lot #: D23241124
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	\geq 1435	2592.00000
Molecular Weight by Viscosity	\geq 300000	541750.00000
Deg of Polymerization (MALLS)	\geq 718	1030.00000
Molecular Weight (MALLS)	\geq 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