



Certificate of Analysis

Poly(L-Lysine Hydrobromide)

Catalog Number: LH1002
Lot Number: 0320001
CAS Number: 25988-63-0
Molecular Formula: $(C_6H_{12}ON_2Br)_{50}$
Molecular Weight: N/A
Storage: $\leq -20^\circ C$
Date of Manufacture: January 14, 2017
Retest Date: January 13, 2022

Test	Specification	Result
Appearance	White to faint-yellow solid	Conforms
Solubility (50mg/ml H ₂ O)	Clear solution	Conforms
Identify by NMR	To match reference spectra	Conforms
Specific Rotation (c=1, H ₂ O)	Report	-62.5°
PDI by GPC (Polymer Distribution)	1.00 - 1.20	1.003
MN by NMR (Average Molecular Weight)	9400 - 11500	10000
DP _n by NMR (Short Oligomers)	45-55	48

Approved by:

Date: March 20, 2020

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