

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-27 17:01:28
 Date of Next Testing: 2027-09-27 17:01:28
 Product Name: **Polyethylenimine hydrochloride**
 CAS Number:
 Specifications & Purity: Linear, Average M_n 15000, $PDI \leq 1.4$
 Lot #: I2424724
 SKU # **P708348**
 Version **1**
 Analysis #: **415530**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Molecular Number by GPC	10000-20000	12387.00000
Polydispersity Index(PDI)	0-1.4	1.10000
Chlorine(Titration by AgNO ₃ , After Oxygen Combustion)	35.7-53.5 (%)	40.10000 %
Appearance(P708348)	White to Faint Yellow and Faint Beige and Faint Brown Powder or Crystals	White to Faint Yellow and Faint Beige and Faint Brown Powder or Crystals
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager