

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-03-27 08:43:27

Date of Next Testing: 2029-03-26 08:43:27

Product Name: **1,1'-Diheptyl-4,4'-bipyridinium Dibromide [for Electrochromic Material]**

CAS Number: 6159-05-3

Specifications & Purity: $\geq 98\%$ (HPLC)(T)

Lot #: G1731069

SKU #: **D154605**

Version: **0**

Analysis #: **485458**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	100.00000 %
Purity (Argentmetric Titration)	97.5-102.5 (%)	100.52600 %
Appearance (D154605)	Yellow to Green Solid, Powder or Crystals	Yellow to Green Solid, Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager