

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-01-24 14:30:01

Date of Next Testing: 2029-01-23 14:30:01

Product Name: **1,1'-Bis[3-(trimethylammonio)propyl]-4,4'-bipyridinium Tetrachloride Dihydrate**

CAS Number: 108228-37-1

Specifications & Purity: $\geq 98\%$

Lot #: A2623185

SKU #: **B405318**

Version: **1**

Analysis #: **643499**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	100.00000 %
Water by Karl Fischer	5-8.1 (%)	7.52860 %
Assay(Titration by AgNO ₃)	97.5-102.5 (%)	101.14000 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager