

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-16 09:42:42
Date of Next Testing: 2026-12-15 09:42:42
Product Name: **1,1'-Dibenzyl-4,4'-bipyridinium Dichloride Hydrate**
CAS Number: 1102-19-8
Specifications & Purity: >95.0%(HPLC)
Lot #: L2206140
SKU #: **D154690**
Analysis: **171781**

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	96.05900 %
Purity(NonaqueousTitration)	90-110 (%)	95.00 %
Water by Karl Fischer	0-10 (%)	8.41 %
Appearance (D154690)	White to Off-White to green to black solid	White to Off-White to green to black solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager