

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-04 19:09:16  
Date of Next Testing: 2025-11-03 19:09:16  
Product Name: **4,4'-Bipyridine 1,1'-Dioxide**  
CAS Number: 24573-15-7  
Specifications & Purity: 97%  
Lot #: K2202238  
SKU #: **B405454**  
**Analysis: 141077**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	97-100 (%)	98.91 %
Elemental analysis(Nitrogen)	14.14-15.18 (%)	14.44 %
Appearance(B405454)	White to Orange to Green powder to crystal	White to Orange to Green powder to crystal
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager