

## Certificate of Analysis

Date of Testing: 2024-11-26 16:00:38  
Date of Next Testing: 2028-11-25 16:00:38  
Product Name: **2,2'-Bipyridyl**  
CAS Number: 366-18-7  
Specifications & Purity: AR, ≥99%  
Lot #: K2425536  
SKU #: **D108977**  
Version: **1**  
Analysis #: **429208**  
Storage Temperature: Protected from light

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.2 (%)	0.00 %
Purity(Titration by HClO <sub>4</sub> )	99-101 (%)	100.09 %
Molar extinction coefficient of iron complex $\epsilon$	≥9000 (L/cm·mol)	9139.20000 L/cm·mol
Melting point	69.5-72 (°C)	71.94000 °C
Appearance (D108977)	White to Off-White Crystals, Powder or Granular	White to Off-White Crystals, Powder or Granular
Solubility in EtOH , Colorless to Faint Yellow,Clear , c = 100 mg/ml	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager