

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-27 10:10:44  
Date of Next Testing: 2027-12-27 10:10:44  
Product Name: [2-(9H-Carbazol-9-yl)ethyl]phosphonic Acid (2PACz)  
CAS Number: 20999-38-6  
Specifications & Purity:  $\geq 98\%$   
Lot #: L2424288  
SKU #: P405551  
Version: 1  
Analysis #: 449405  
Storage Temperature: Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.65200 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
31P NMR spectrum	Conforms to structure	Conforms to Structure
Appearance(P405551)	White to Blue Solid	White to Blue Solid



John Su  
QA & QC Manager