

Certificate of Analysis

Date of Testing: 2024-12-27 10:15:12

Date of Next Testing: 2027-12-27 10:15:12

Product Name: [2-(9H-Carbazol-9-yl)ethyl]phosphonic Acid (2PACz)

CAS Number: 20999-38-6

Specifications & Purity: $\geq 98\%$

Lot #: L2424289

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