

Certificate of Analysis

Date of Testing: 2025-06-17 10:25:52
Date of Next Testing: 2028-06-16 10:25:52
Product Name: [2-(9H-Carbazol-9-yl)ethyl]phosphonic Acid (2PACz)
CAS Number: 20999-38-6
Specifications & Purity: $\geq 98\%$
Lot #: F2511601
SKU #: P405551
Version: 1
Analysis #: 519229
Storage Temperature: Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.61000 %
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