

Certificate of Analysis

Date of Testing: 2025-06-21 14:35:09
 Date of Next Testing: 2028-06-20 14:35:09
 Product Name: [2-(9H-Carbazol-9-yl)ethyl]phosphonic Acid (2PACz)
 CAS Number: 20999-38-6
 Specifications & Purity: ≥98%
 Lot #: F2513136
 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