

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-02 15:17:47
 Date of Next Testing: 2028-09-01 15:17:47
 Product Name: [4-(9H-Carbazol-9-yl)butyl]phosphonic acid(4PACz)
 CAS Number: 20999-36-4
 Specifications & Purity: ≥98%
 Lot #: H2527438
 SKU #: P1324821
 Version: 1
 Analysis #: 518373
 Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	98.26400 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
LC-MS for identification	Conforms	Conforms



John Su
QA & QC Manager