

Certificate of Analysis

Date of Testing: 2025-03-05 14:24:39
 Date of Next Testing: 2028-03-04 14:24:39
 Product Name: (11aR)-10,11,12,13-Tetrahydro-N,N-dimethyl-diindeno[7,1-de:1',7'-fg]
 [1,3,2]dioxaphosphocin-5-amine
 CAS Number: 443965-14-8
 Specifications & Purity: ≥98%
 Lot #: F2205112
 SKU #: A300253
 Version: 1
 Analysis #: 477257
 Storage Temperature: Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.04000 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
31P NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager