

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-10 10:13:59

Date of Next Testing: 2027-10-10 10:13:59

Product Name: (S)-(+)-(8,9,10,11,12,13,14,15-Octahydro-3,5-dioxa-4-phosphacyclohepta[2,1-a;3,4-a']dinaphthalen-4-yl)dimethylamine

CAS Number: 389130-06-7

Specifications & Purity: ≥98%

Lot #: A2416578

SKU #: O386459

Version: 1

Analysis #: 584488

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.68600 %
Specific rotation $[\alpha]_{20/D}$ (C=1% , Chloroform)	272-292 (°)	291.82000 °
Appearance (O386459)	White to Tan Powder or Crystals	White to Tan Powder or Crystals
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager