

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-10-18 13:56:19  
Date of Next Testing: 2026-10-17 13:56:19  
Product Name: **(S,Sp)-Ph-Phosferrox**  
CAS Number: 163169-12-8  
Specifications & Purity: 98% (99%ee)  
Lot #: J2314295  
SKU #: **R587533**  
**Analysis: 267810**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(As C)	98-100 (%)	98.87%
Nitrogen by Elemental Analysis	2.607-2.780 (%)	2.77%
Enantiomeric Excess	99-100 (%)	99.02000%
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager