

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-21 11:18:19  
Date of Next Testing: 2026-03-20 11:18:19  
Product Name: **(R)-(-)-VAPOL hydrogenphosphate**  
CAS Number: 871130-18-6  
Specifications & Purity:  $\geq 98\%, \geq 99\%(ee)$   
Lot #: C2310290  
SKU #: **H282302**  
Version: **2**  
Analysis #: **169364**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	98.00 %
Enantiomeric Excess	99-100 (%)	99.00000 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Appearance(H282302)	White to yellow to Tan Solid	White to yellow to tan solid
31P NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager