

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2025-08-14 16:01:10

Date of Next Testing: 2028-08-13 16:01:10

Product Name: 5-(Di(adamantan-1-yl)phosphino)-1',3',5'-triphenyl-1'H-1,4'-bipyrazole

CAS Number: 1239478-87-5

Specifications & Purity: ≥97%

Lot #: H2504056

SKU #: D586736

Version: 1

Analysis #: 246913

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter               | Limit Values                             | Result                                   |
|-------------------------|------------------------------------------|------------------------------------------|
| Purity(NMR)             | 97-100 (%)                               | 97.60000 %                               |
| Appearance(D586736)     | White to Light Yellow Powder or Crystals | White to Light Yellow Powder or Crystals |
| Phosphorus NMR spectrum | conforms to structure                    | Conforms to Structure                    |
| Proton NMR spectrum     | Conforms to Structure                    | Conforms to Structure                    |



John Su  
QA & QC Manager