

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2026-04-28 09:11:30

Date of Next Testing: 2029-04-27 09:11:30

Product Name: **2,8,9-Triisobutyl-2,5,8,9-tetraaza-1-phosphabicyclo[3.3.3]undecane**

CAS Number: 331465-71-5

Specifications & Purity:  $\geq 97\%$

Lot #: D2627455

SKU # **T169624**

Version **1**

**Analysis #:** **694911**

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

| Parameter                | Limit Values               | Result                     |
|--------------------------|----------------------------|----------------------------|
| Purity(HPLC area)        | 97-100 (%)                 | 97.10000 %                 |
| NMR Spectrum 1H          | Conforms to Structure      | Conforms to Structure      |
| Phosphorus NMR Spectra   | Conforms to Structure      | Conforms to Structure      |
| Appearance(T169624)      | Colorless to Yellow Liquid | Colorless to Yellow Liquid |
| LC-MS for identification | Conforms                   | Conforms                   |



John Su  
QA & QC Manager