

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-04-29 15:26:07

Date of Next Testing: 2027-04-29 15:26:07

Product Name: **Phosphazene base P4-t-Bu solution**

CAS Number: 111324-04-0(Hexane)

Specifications & Purity: ~0.8 M in hexane

Lot #: D2410357

SKU #: **P334666**

Version: **1**

Analysis #: **333475**

Storage Temperature: Room temperature, Desiccated

| Parameter                          | Limit Values                                                                   | Result                                                                         |
|------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Refractive index n <sub>20/D</sub> | 1.430 - 1.460                                                                  | 1.44400                                                                        |
| Concentration                      | 0.75 - 0.85 (mol/L)                                                            | 0.83000 mol/L                                                                  |
| Appearance (P334666)               | Colorless to Very Faint Yellow and Colorless to Very Faint Brown-Yellow Liquid | Colorless to Very Faint Yellow and Colorless to Very Faint Brown-Yellow Liquid |
| Phosphorus NMR Spectra             | Conforms to Structure                                                          | Conforms to Structure                                                          |
| Proton NMR spectrum                | Conforms to structure                                                          | Conforms to Structure                                                          |



John Su  
QA & QC Manager