

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-21 09:20:50  
Date of Next Testing: 2027-03-20 09:20:50  
Product Name: **XPhos Pd G4**  
CAS Number: 1599466-81-5  
Specifications & Purity: 95%  
Lot #: C2310202  
SKU #: **X299606**  
**Analysis:** **172899**  
Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                    | Limit Values  | Result  |
|------------------------------|---|---|
| Carbon by Elemental Analysis | 62-69.2 (%)   | 64.60 %   |
| Appearance (X299606)         | White to Dark Yellow to Dark Brown and Grey to Dark Grey Powder or Crystals | White to Dark Yellow to Dark Brown and Grey to Dark Grey Powder or Crystals |
| Proton NMR spectrum          | Conforms to structure   | Conforms to Structure   |
| Phosphorus NMR Spectra       | Conforms to Structure   | Conforms to Structure   |



John Su  
QA & QC Manager