

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-14 09:21:11
 Date of Next Testing: 2025-04-13 09:21:11
 Product Name: **XPhos Pd G3**
 CAS Number: 1445085-55-1
 Specifications & Purity: $\geq 95\%$
 Lot #: F2129372
 SKU #: **X167312**
 Version: **0**
 Analysis #: **211049**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.21900 %
Carbon by Elemental Analysis	63.6-66.9 (%)	64.30000 %
Sulfur by Elemental Analysis	3.6-4 (%)	3.80000 %
Appearance (X167312Form)	Powder or chunks	Powder or chunks
Appearance (X167312Color)	white to grey and to beige to brown	white to grey and to beige to brown
ICP: Confirms Palladium Component	Confirmed	Confirmed
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager