

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-10-26 16:15:58  
Date of Next Testing: 2024-10-15 16:15:58  
Product Name: **Bis(triphenylphosphine)palladium dichloride**  
CAS Number: 13965-03-2  
Specifications & Purity: Pd 15.2%  
Lot #: J2221155  
SKU #: **D109544**  
**Analysis: 149535**  
Storage Temperature: Argon charged

| Parameter                        | Limit Values                                | Result                                      |
|----------------------------------|---|---|
| Carbon by Elemental Analysis     | 60.1-62.5 (%)                               | 60.22 %                                     |
| Assay(Palladium)                 | 14.9-15.3 (%)                               | 15.21 %                                     |
| Appearance (D109544Color)        | Faint Yellow to Dark Yellow to yellow-green | Faint Yellow to Dark Yellow to yellow-green |
| Appearance (D109544Form)         | Powder to crystals or chunks                | Powder to crystals or chunks                |
| ICP:Confirms Pd and P Components | Confirmed                                   | Confirmed                                   |
| Infrared spectrum                | Conforms to Structure                       | Conforms to Structure                       |



John Su  
QA & QC Manager