

## Certificate of Analysis

Date of Testing: 2023-02-22 12:06:48  
Date of Next Testing: 2025-02-11 12:06:48  
Product Name: **Bis(triphenylphosphine)palladium dichloride**  
CAS Number: 13965-03-2  
Specifications & Purity: Pd 15.2%  
Lot #: B2317644  
SKU #: **D109544**  
**Analysis: 190182**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	60.1-62.5 (%)	61.00 %
Assay(Palladium)	14.9-15.3 (%)	15.10 %
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