

## Certificate of Analysis

Date of Testing: 2023-06-16 14:05:40  
Date of Next Testing: 2025-06-05 14:05:40  
Product Name: **Tetrakis(triphenylphosphine)palladium(0)**  
CAS Number: 14221-01-3  
Specifications & Purity: Pd  $\geq$ 8.9%  
Lot #: I2113188  
SKU #: **T111021**  
**Analysis: 242164**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Palladium(Pd)	8.7-9.2 (%)	8.96 %
Carbon by Elemental Analysis	73.7-76 (%)	74.66 %
Purity(Chelometric Titration)	97-100 (%)	98.15 %
Solvent Content	0-1 (%)	0.60 %
Appearance (T111021)	Yellow to Green Powder or Crystals	Yellow to Green Powder or Crystals
ICP:Confirms Pd and P Components	Confirmed	Confirmed
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in Trichloromethane	Pass	Pass



John Su  
QA & QC Manager