

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-10 11:47:28  
Date of Next Testing: 2026-06-30 11:47:28  
Product Name: **1,1'-Bis(diphenylphosphino)ferrocene**  
CAS Number: 12150-46-8  
Specifications & Purity: 97%  
Lot #: G2403146  
SKU #: **B101667**  
Version: **0**  
Analysis #: **345251**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	97.50000%
Fe(Titration by Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> )	9.7-10.4 (%)	9.77%
Carbon by Elemental Analysis	71.1-76.2 (%)	72.86%
Infrared spectrum	Conforms to Structure	Conforms to Structure
Appearance (B101667)	Yellow to Orange Powder	Yellow to Orange Powder
Solubility in CHCL <sub>3</sub> , Colorless to Dark Orange,clear,c=2.5%	pass	Pass



John Su  
QA & QC Manager