

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-15 15:22:00  
Date of Next Testing: 2026-07-05 15:22:00  
Product Name: **1,1'-Bis(dicyclohexylphosphino)ferrocene**  
CAS Number: 146960-90-9  
Specifications & Purity: 97%  
Lot #: F2428166  
SKU #: **B115628**  
Version: **1**  
Analysis #: **365098**  
Storage Temperature: Argon charged

| Parameter                    | Limit Values                             | Result                                   |
|------------------------------|--|--|
| Carbon by Elemental Analysis | 68.1-73.1 (%)                            | 68.49%                                   |
| Appearance (B115628)         | Orange to Red to Brown powder to crystal | Orange to red to Brown powder to crystal |
| ICP: Confirms Fe Components  | Confirmed                                | Confirmed                                |
| Proton NMR spectrum          | Conforms to Structure                    | Conforms to Structure                    |



John Su  
QA & QC Manager