

## Certificate of Analysis

Date of Testing: 2023-05-23 14:16:52

Date of Next Testing: 2026-05-22 14:16:52

Product Name: **R-(-)-1,13-Bis(diphenylphosphino)-7,8-dihydro-6H-dibenzo[f,h][1,5]dioxonin**

CAS Number: 301847-89-2

Specifications & Purity: 97%

Lot #: E2316799

SKU #: **R281842**

**Analysis:** **193128**

Storage Temperature: Store at -20°C

| Parameter              | Limit Values          | Result                |
|------------------------|-----------------------|-----------------------|
| Purity(HPLC)           | 97-100 (%)            | 99.10000 %            |
| Proton NMR spectrum    | Conforms to Structure | Conforms to Structure |
| Phosphorus NMR Spectra | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager