

## Certificate of Analysis

Date of Testing: 2024-01-26 10:31:30

Date of Next Testing: 2027-01-25 10:31:30

Product Name: (R)-[1,1'-Binaphthalene]-2,2'-diylbis[1,1-diphenyl-1,1'-phosphine oxide]

CAS Number: 94041-16-4

Specifications & Purity: ≥98%

Lot #: A2422389

SKU #: R305009

Analysis: 306277

Storage Temperature: Store at 2-8°C, Argon charged, Desiccated

| Parameter                | Limit Values          | Result                |
|--------------------------|-----------------------|-----------------------|
| Purity(HPLC area)        | 98-100 (%)            | 98.43 %               |
| Enantiomeric Excess      | 99-100 (%)            | 100.00000 %           |
| NMR Spectrum 1H          | Conforms to structure | Conforms to Structure |
| LC-MS for identification | Conforms              | Conforms              |



John Su  
QA & QC Manager