

# Certificate of Analysis

## Reference Material & Standard

|                            |                                                                                                          |                          |                                                                                     |
|----------------------------|----------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|
| <b>Product Name:</b>       | (R)-(-)-[(R)-2-Dicyclohexylphosphinoferrocenyl](N,N-dimethylamino)(2-dicyclohexylphosphinophenyl)methane | <b>Catalogue Number:</b> | C1013405                                                                            |
| <b>Synonyms:</b>           | N/A                                                                                                      | <b>Lot Number:</b>       | 0323-SA-7420                                                                        |
| <b>CAS Number:</b>         | 1016985-24-2                                                                                             | <b>Expiry Date:</b>      | Mar 22, 29                                                                          |
| <b>Molecular Formula:</b>  | N/A                                                                                                      | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed                                           |
| <b>Molecular Weight:</b>   | N/A                                                                                                      | <b>Warning:</b>          |  |
| <b>Chemical Structure:</b> | N/A                                                                                                      |                          |                                                                                     |

| Test Items      | Method            | Results   |
|-----------------|-------------------|-----------|
| Appearance      | Visual inspection | Solid     |
| Identification: | LC&HNMR           | Confirmed |
| Purity:         | HPLC              | 97.416%   |

**CATO**  
CATO Research Chemicals Inc.

Signature:

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Date: Mar 23, 25

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## Directions:

1. *Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*
2. *Minimum sample size: 1mg is recommended as the minimum sample size.*
3. *Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*
4. *Instructions for handling and correct use: Handling in a well-ventilated place.*

## Document Version:

| Revision No. | Date       | Reason for Revision |
|--------------|------------|---------------------|
| 01           | Mar 23, 25 | First release.      |

