

# Certificate of Analysis

## Compound Information

**Product Name:** (S)-(-)-2,2-Bis(di-p-Tolylphosphino)-1,1-Binaphthyl  
**CAS No.:** 100165-88-6  
**Cat. No.:** G5094430  
**Molecular Formula:** C<sub>48</sub>H<sub>40</sub>P<sub>2</sub>  
**Molecular Weight:** 678.79

## Batch Information

**Batch No.:** 7475062  
**Test Date:** 2023-06-26  
**Report Date:** 2023-06-27  
**Retest Date:** 2028-12-21  
**Storage:** Store in a cool, dry area.  
**Origin:** China

## Test Item

Test	Specification	Result
Purity	98%(HPLC),99%ee	Conforms to specification
NMR	Consistent with structure	Consistent with structure
Optical Rotation	-169	-160.14

## Conclusion

The product has been tested and complies with the given specifications.

## Signature

Reviewed by :



Reviewed by:



Approved by:

