

# Certificate of Analysis

## Compound Information

**Product Name:** (S)-7,7'-Bis(Diphenylphosphino)-2,2',3,3'-Tetrahydro-1,1'-Spirobiindane  
**CAS No.:** 528521-86-0  
**Cat. No.:** G4089646  
**Molecular Formula:** C<sub>41</sub>H<sub>34</sub>P<sub>2</sub>  
**Molecular Weight:** 588.66

## Batch Information

**Batch No.:** 4578713  
**Test Date:** 2024-08-19  
**Report Date:** 2024-08-20  
**Retest Date:** 2030-02-14  
**Storage:** -20°C  
**Origin:** China

## Test Item

Test	Specification	Result
Purity	97%(HPLC)	97.09%
NMR	Consistent with structure	Consistent with structure
Optical Rotation	?191°	-189.4

## Conclusion

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

## Signature

Reviewed by :



Reviewed by:



Approved by:

