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Certificate of Analysis

Catalogue Number	16599
Lot Number	001702-20160103
Product	S(-)-2,2'-Bis(diphenylphosphino)-1,1'-binaphthalene (S)-(-)-BINAP
CAS Number	76189-56-5
Molecular Formula	C ₄₄ H ₃₂ P ₂
Molecular Weight	622.67
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Appearance	Off-white crystalline powder
Melting Point	239-240 °C
Optical Rotation	[α] _D ²⁵ = -236° (C=0.3 in Toluene)
Chiral HPLC	99.32% (ee)
Purity by HPLC	99.32%
Storage	Store at 0-8 °C
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager