Chem-Impex International, Inc.

Tel: (630) 766-2112 E-mail: sales@chemimpex.com Shipping and Correspondence: 935 Dillon Drive Wood Dale, IL 60191 Fax: (630) 766-2218 Web site: www.chemimpex.com Manufacturing site: 825 Dillon Drive Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	16602
Lot Number	002658-0420701
Product	(S)-(+)-1,1'-Binaphthyl-2,2'-diyl hydrogen phosphate ≥ 99% (HPLC, Chiral Purity)
	(S)-4-Hydroxydinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphepin-4-oxide
CAS Number	35193-64-7
Molecular Formula	$C_{20}H_{13}O_4P$
Molecular Weight	348.29
Appearance	Off-white powder
Loss on Drying	0.08%
Purity by HPLC	99.9%
Chiral Purity	99.9% (ee)
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

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Bala Kumar Quality Control Manager