

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	16600
<b>Product</b>	<b>(±)-(1,1'-Binaphthalene-2,2'-diyl) bis(diphenylphosphine)</b>
<b>Lot Number</b>	001702-201120403 (±)-BINAP  (±)-2,2'-Bis(diphenylphosphino)-1,1'-binaphthalene
<b>CAS Number</b>	98327-87-8
<b>Molecular Formula</b>	C <sub>44</sub> H <sub>32</sub> P <sub>2</sub>
<b>Molecular Weight</b>	622.67

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<b>Appearance</b>	Off-white crystal
<b>Solubility</b>	Colorless transparent
<b>Melting Point</b>	281-284 °C
<b>Related Substances</b>	0.58%
<b>Purity by HPLC</b>	98.73%
<b>Storage</b>	Store at 0-8 °C
<b>Remarks</b>	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