

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Specification Sheet

Product Name: **(R)-RuCl[(p-cymene)(BINAP)]Cl**  
Specifications & Purity: **>90.0%(HPLC)**  
SKU #: **R138244**

Parameter	Limit Values
Specific Rotation $[\alpha]_{20/D}(c=0.5 \text{ in CHCl}_3)$	510-610 (°)
Carbon by Elemental Analysis	66.3-73.3 (%)
Purity(HPLC)	90-100 (%)
Appearance (R138244)	Yellow to Dark yellow to Orange to Brown Powder or Crystal
Phosphorus NMR Spectra	Conforms to Structure
Proton NMR spectrum	Conforms to Structure