

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **(S)-RuCl[(p-cymene)(BINAP)]Cl**
Specifications & Purity: 99.95% metals basis
SKU #: **S294487**

Parameter	Limit Values
Appearance(S294487)	White to Yellow to Very Dark Yellow and Orange to Very Dark Orange to Brown to Dark purple Powder to crystal
NMR Spectrum 1H	Conforms to Structure
Purity(Based On Trace Metals Analysis)	99.95-100 (%)
Total Metallic Impuritie	0-500 (ppm)
Specific rotation $[\alpha]_{20/D}(C = 0.5\%, CHCl_3)$	-610~-510 (°)
ICP: Confirms Ruthenium Component	Confirmed