

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name:	$\text{RuCl}_2[(S)-(DM-BINAP)][(S,S)-DPEN]$
Specifications & Purity:	98%
SKU #	R488482

Parameter	Limit Values
Appearance(R488482)	Yellow to Brown to Dark green powder to crystal
Carbon by Elemental Analysis	67.97-73.63 (%)
NMR Spectrum ^1H	Conforms to Structure
Phosphorus NMR spectrum	conforms to structure
Specific rotation $[\alpha]_{20/D}(\text{C} = 0.5\%, \text{CHCl}_3)$	-770--630 (°)