



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-229248
Lot Number: SAMPLE
Product Name: (S)-2-[2-[Bis(2-tolyl)phosphino]phenyl]-4-tert-butyl-2-oxazoline
CAS Number: 218460-00-5
Molecular Formula: $C_{27}H_{30}NOP$
Molecular Weight: 415.51

Test	Specification	Result
Appearance	White to tan solid, powder, crystals	White powder
Identification (1H -NMR)		Consistent with structure
Identification (^{13}C -NMR)		Consistent with structure
Identification (^{31}P -NMR)		Consistent with structure
Identification (Infrared Spectrum)		Consistent with structure
Purity (HPLC)	$\geq 96.5\%$	98.9%
Melting Point		135.8 - 137.7 °C
Optical Rotation	$-69.0 \pm 5^\circ$ (c = 1%, $CHCl_3$)	-68.6°
Carbon Content	75.3 - 80.8%	77.74%
Nitrogen Content	3.2 - 3.6%	3.35%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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