



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-236597
Lot Number: SAMPLE
Product Name: (R)-(+)-6,6'-Dimethyl-2,2'-biphenyldiamine
CAS Number: 3685-06-1
Molecular Formula: $C_{14}H_{16}N_2$
Molecular Weight: 212.29

Test	Specification	Result
Appearance (Color)	White to orange to beige	Light brown
Appearance (Form)	Solid, powder, crystals, crystalline powder and/or chunk(s)	Powder
Enantiomeric Excess	$\geq 99.0\%$	99.1%
Identification (1H -NMR)	Consistent with structure	Complies
Purity (HPLC)	$\geq 98.0\%$	99.6%
Optical Rotation	115.0 - 125.0° (c = 1%; Pyridine)	116.0
Carbon Content	77.6 - 80.8 %	79.1 %
Nitrogen Content	12.9 - 13.5 %	13.1 %

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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