



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-253347
Lot Number: SAMPLE
Product Name: (R,R)-Duthaler-Hafner reagent
CAS Number: 132068-98-5
Molecular Formula: $C_{36}H_{33}ClO_4Ti$
Molecular Weight: 612.96

Test	Specification	Result
Appearance (Color)	White to yellow to tan	Slight yellow
Appearance (Form)	Powder	Complies
Identification (1H -NMR)	Consistent with structure	Complies
Specific Rotation ($\alpha_{20/D}$)	$-240^\circ \pm 10^\circ$	-237.1°
Carbon Content	68.1 - 73.0%	69.83%

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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