



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-238723
Lot Number: SAMPLE
Product Name: (3 α R,7 α R)-1,3-Dimethyl-2-(1-piperidinyl)octahydro-1H-1,3,2-benzodiazaphosphole 2-oxide
CAS Number: 161390-52-9
Molecular Formula: C₁₃H₂₆N₃OP
Molecular Weight: 271.34

Test	Specification	Result
Appearance	White or colorless to very faintly beige powder to powder with lumps	Faintly beige powder
Identification (¹ H-NMR)	Consistent with structure	Complies
Identification (¹³ C-NMR)	Consistent with structure	Complies
Identification (³¹ P-NMR)	Consistent with structure	Complies
Purity (GC)	≥ 98.0%	98.6%
Concentration		c=1.15 in CHCl ₃
Melting Point	109 - 114 °C	109 °C
Specific Rotation (α ₂₀ /D)	-90.5 ± 3.0°	-87.6°
Carbon Content	57.54%	56.49%
Hydrogen Content	9.66%	9.68%
Nitrogen Content	15.49%	15.17%

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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