



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-229694
Lot Number: SAMPLE
Product Name: Δ -TRISPHAT tetrabutylammonium salt
CAS Number: 301687-57-0
Molecular Formula: $C_{18}Cl_{12}O_6P \cdot C_{16}H_{36}N$
Molecular Weight: 1011.06

Test	Specification	Result
Appearance (Color)	White/colorless	White
Appearance (Form)	Powder to powder with lumps	Powder with lumps
Identification (^{31}P -NMR)	Consistent with structure	Complies
Purity	$\geq 98.5\%$ (PNMR)	$> 98.5\%$
Specific Rotation ($\alpha_{20/D}$)	$-370 \pm 10^\circ$	-366.4°
Carbon Content	40.39%	40.68%
Hydrogen Content	3.59%	3.83%
Nitrogen Content	1.39%	1.28%

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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