



# CERTIFICATE OF ANALYSIS

*The Power to Question*

Catalog Number: sc-230164  
Lot Number: SAMPLE  
Product Name: 2-Chloro-5,5-dimethyl-1,3,2-dioxaphosphorinane 2-oxide  
CAS Number: 4090-55-5  
Molecular Formula:  $C_5H_{10}ClO_3P$   
Molecular Weight: 184.56

Test	Specification	Result
Appearance	White to yellow crystalline solid or powder	White crystalline solid
Identification (31P-NMR)	Consistent with structure	Complies
Purity (1H-NMR)	> 97.5%	> 98%
Purity (GC)	> 97.5%	98.7%
Melting Point	97 - 102 °C	103.4 - 105.9 °C
Solution	Clear colorless to yellow solution in $CDCl_3$	Clear colorless solution
Water Content	< 1.0%	No detected

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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