



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-214893  
Lot Number: SAMPLE  
Product Name: Dihexadecyl phosphate  
CAS Number: 2197-63-9  
Molecular Formula:  $[\text{CH}_3(\text{CH}_2)_{15}\text{O}]_2\text{P}(\text{O})\text{OH}$   
Molecular Weight: 546.85

Test	Specification	Result
Appearance	White to off white powder	White powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (Sodium Hydroxide Titration)	$\geq 90\%$ (0.1M)	92.5%
Purity (TLC)	90%	Complies
Solution (Color)	Colorless to faint yellow solution at 50 mg/ml in chloroform	Colorless solution at 50 mg/ml in chloroform
Solution (Turbidity)	Clear to slightly hazy solution at 50 mg/ml in chloroform	Clear solution at 50 mg/ml in chloroform

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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