



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-221450  
Lot Number: SAMPLE  
Product Name: Cytidine  
CAS Number: 65-46-3  
Molecular Formula:  $C_9H_{13}N_3O_5$   
Molecular Weight: 243.22

Test	Result
Appearance	White crystalline powder
Identification (TLC)	Complies
Purity	101% (abs. 280 nm, pH 1 based on dry weight)
Dry Weight	100.0%
Melting Point	214 °C
Solubility	10 mg/ml in water
A250/A260	0.44
A280/A260	2.08
Transmittance	99.9% at 430 nm
Heavy Metals (Pb)	2 ppm
Carbon Content	44.42% (based on dry weight)
Hydrogen Content	5.32% (based on dry weight)
Nitrogen Content	17.13% (by Dumas method, based on dry weight)
Sulfated Ash	0.02%

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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