



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-214967  
Lot Number: SAMPLE  
Product Name: Dehydroergosterol  
CAS Number: 516-85-8  
Molecular Formula:  $C_{28}H_{42}O$   
Molecular Weight: 394.63

Test	Specification	Result
Appearance	White to yellow powder	Faint yellow powder
Identification ( $^1H$ -NMR)	Consistent with structure	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	~96% (anhydrous basis)	96.0%
Solubility	Clear colorless to yellow solution at 10 mg/ml of chloroform	Clear faint yellow
UV/Visible Spectrum	EmM = 10.4 - 13.2 at $\lambda_{max}$ 324 - 328 nm in methanol	EmM = 12.65 at $\lambda_{max}$ 324 nm
Carbon Content	83.1 - 87.4%	85.2%
Water Content (KF)	$\leq 5\%$	1.15%

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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