



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-212492
Lot Number: SAMPLE
Product Name: Oxytetracycline Dihydrate
CAS Number: 6153-64-6
Molecular Formula: $C_{22}H_{28}N_2O_{11}$
Molecular Weight: 496.46

Test	Specification	Result
Appearance		Light yellow solid
Identification (1H -NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Purity (TLC)		98%
Atmosphere		Air
Melting Point		> 178 °C (dec.)
Solubility		Aqueous water
Specific Rotation		-193° (c = 1, 0.1 N HCl)
Carbon Content	53.18%	53.27%
Hydrogen Content	5.07%	5.35%
Nitrogen Content	5.64%	5.37%

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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