



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-504743A
Lot Number: SAMPLE
Product Name: Cefoxitin
CAS Number: 35607-66-0
Molecular Formula: $C_{16}H_{17}N_3O_7S_2$
Molecular Weight: 427.45

Test	Specification	Result
Appearance	White to off-white solid	Off-white solid
Identification (NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Purity (HPLC)	> 95%	99.02%
Purity (TLC)		98%
Specific Rotation		+179.8° (c = 0.3, Methanol)
Carbon Content	44.96%	42.93%
Hydrogen Content	4.01%	4.05%
Nitrogen Content	9.83%	9.28%
Water Content		~4.0% based on Elemental Analysis

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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