



*The Power to Question*

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-3507  
Lot Number: SAMPLE  
Product Name: Methotrexate  
CAS Number: 59-05-2  
Molecular Formula:  $C_{20}H_{22}N_8O_5$   
Molecular Weight: 454.4

Test	Result
Appearance	Yellow solid
Identification (1H-NMR)	Complies
Purity	98%
Melting Point	183-191° C
Solubility	Alkaline waterDMSO
Specific Rotation	+18.6° (c=1, 0.1N NaOH)ppu
Water Content	~12% (by 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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