



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-254897
Lot Number: SAMPLE
Product Name: 6,7-Dimethyl-5,6,7,8-tetrahydropterine hydrochloride
CAS Number: 945-43-7
Molecular Formula: $C_8H_{13}N_5O \cdot HCl$
Molecular Weight: 231.68

Test	Specification	Result
Appearance	White to off white powder	White powder
Identification (1H-NMR)	Consistent with structure	Complies
Purity (TLC)	$\geq 95.0\%$	98.0%
Residual Solvents	Acetone: $\leq 0.50\%$	0.14%
Solubility	Clear and faint yellow solution at 49.0 - 51.0 mg/ml in oxygen free water with heating	Clear and faint yellow solution at 50.0 mg/ml in oxygen free water with heating
Carbon Content	40.47 - 42.47%	41.03%
Nitrogen Content	28.73 - 31.73%	29.78%

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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