



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-214378
Lot Number: SAMPLE
Product Name: (±)-6-Methyl-5,6,7,8-tetrahydropterine dihydrochloride
CAS Number: 69113-63-9
Molecular Formula: $C_7H_{11}N_5O \cdot 2HCl$
Molecular Weight: 254.12

Test	Specification	Result
Appearance	Off-white to off-white with a pink cast powder	Off-white powder
Identification (NMR)	Consistent with structure	Complies
Purity (TLC)	$\geq 94.00\%$	95.00%
Residual Solvents	Acetone: $\leq 1.00\%$ (NMR)	0.00%
Solubility	Clear to very slightly hazy and faint yellow to pink with yes or no heating solution at 49.00 - 51.00 mg/ml in oxygen free water	Clear and faint yellow no heating solution at 50.00 mg/ml in oxygen free water
Carbon Content	30.00 - 34.00%	30.78%
Nitrogen Content	24.00 - 28.00%	25.37%

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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