



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-207029A
Lot Number: SAMPLE
Product Name: 5-Fluoro-L-tryptophan monohydrate
CAS Number: 16626-02-1
Molecular Formula: $C_{11}H_{11}FN_2O_2 \cdot H_2O$
Molecular Weight: 240.24

Test	Specification	Result
Appearance	Slightly white to off-white powder	Slightly off-white powder
Enantiomeric Content		L-form: D-form = 99.5: 0.5
Identification (FTIR)		Consistent with reference material
Purity (HPLC)	$\geq 98.0\%$	99.8%
TLC		Consistent with reference material
Solution (Color)	Almost colorless to light yellow at 1% in 1 mol/L HCl	Almost colorless
Solution (Turbidity)	≤ 4.0 NTU at 1% in 1 mol/L HCl	0.9 NTU
Specific Rotation ($\alpha_{20/D}$)	8.5 - 9.5 ($c = 1$ in 1 mol/L HCl)	8.8
Water Content (KF)	6.5 - 8.5%	7.1%

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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