



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-235481
Lot Number: SAMPLE
Product Name: L-Tryptophan benzyl ester
CAS Number: 4299-69-8
Molecular Formula: $C_{18}H_{18}N_2O_2$
Molecular Weight: 294.35

Test	Specification	Result
Appearance (Color)	White to light yellow or light orange	Light yellow
Appearance (Form)	Powder, crystals, crystalline powder and /or chunks	Chunks
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (TLC)	$\geq 98\%$	$> 98\%$
Solution (Color)	Colorless to light yellow or light orange solution at 50 mg/ml in $CHCl_3$	Light yellow
Solution (Turbidity)	Clear solution at 50 mg/ml in $CHCl_3$	Complies
Optical Rotation	$9.0 - 11.0^\circ$	9.7°
Carbon Content	$71.6 - 75.3\%$	73.0%
Nitrogen Content	$9.2 - 9.8\%$	9.5%

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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