



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-478982
Lot Number: SAMPLE
Product Name: 4-Phenyl-2-pyrrolidinone
CAS Number: 1198-97-6
Molecular Formula: $C_{10}H_{11}NO$
Molecular Weight: 161.2
Native Source: Synthetic

Test	Specification	Result
Appearance	Off-White to Pale Yellow Solid	Off-White to Pale Yellow Solid
Identification (1H-NMR)		Complies
Identification (Mass Spectrometry)		Complies
Purity (HPLC)	>95%	98.12%
Purity (TLC)		95%
Elemental Analysis	%C: 74.51, %H: 6.88, %N: 8.69	%C: 70.69, %H: 6.72, %N: 8.24
Melting Point		65 - 70°C
Solubility		Chloroform (Slightly), Methanol (Slightly)

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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