



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-219472
Lot Number: SAMPLE
Product Name: α -Methyl-L-serine
CAS Number: 16820-18-1
Molecular Formula: $C_4H_9NO_3$
Molecular Weight: 119.12

Test	Specification	Result
Appearance		Off-white solid
Identification (1H -NMR)		Consistent with structure
Identification (^{13}C -NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Purity (TLC)		98%
Atmosphere		Inert gas
Melting Point		> 286.0 °C (dec.)
Solubility		DMSO (sparingly), water
Carbon Content	40.33%	40.49%
Hydrogen Content	7.62%	7.88%
Nitrogen Content	11.76%	11.73%

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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