



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-255579
Lot Number: SAMPLE
Product Name: (S)-(+)-Z-4-Amino-2-hydroxybutyric acid
CAS Number: 40371-50-4
Molecular Formula: $C_{12}H_{15}NO_5$
Molecular Weight: 253.25

Test	Specification	Result
Appearance		White solid
Identification (1H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Purity (TLC)		95%
Atmosphere		Air
Melting Point		72 - 74 °C
Solubility		Chloroform (slightly), DMSO (slightly), Methanol (slightly)
Specific Rotation		+4.6° (c = 0.9, Chloroform)
Carbon Content	56.91%	57.36%
Hydrogen Content	5.97%	6.02%
Nitrogen Content	5.53%	5.41%

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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