



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-478592
Lot Number: SAMPLE
Product Name: L-Phenylalanine-d5
CAS Number: 56253-90-8
Molecular Formula: $C_9D_5H_8NO_2$
Molecular Weight: 170.22

Test	Specification	Result
Appearance		White solid
Identification (1H -NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		98.9%
Purity (TLC)		98%
Atmosphere		Air
Melting Point		235 - 237 °C
Solubility		Water (slightly)
Specific Rotation		-33.2° (c = 0.1, water)
Carbon Content	63.50%	62.27%
Hydrogen Content	6.52%	6.48%
Nitrogen Content	8.23%	8.25%

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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