



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-503137  
Lot Number: SAMPLE  
Product Name: L-Aspartic Acid-d3  
CAS Number: 3842-25-9  
Molecular Formula:  $C_4H_4D_3NO_4$   
Molecular Weight: 136.12

Test	Specification	Result
Appearance	White to light beige solid	White to off-white solid
Identification (NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Isotopic Purity	> 95%	98.8%
Purity (HPLC)	> 95%	99.60%
Purity (TLC)		98%
Melting Point		> 300 °C
Specific Rotation		+29.6° (c = 0.2, 6 N HCl)
Carbon Content	35.29%	35.20%
Hydrogen Content	5.18%	5.11%
Nitrogen Content	10.29%	10.23%

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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