



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-216338
Lot Number: SAMPLE
Product Name: (2S,4R)-4-Methylglutamic Acid
CAS Number: 31137-74-3
Molecular Formula: $C_6H_{11}NO_4$
Molecular Weight: 161.16

Test	Specification	Result
Appearance	White to off-white powder	White powder
Identification (NMR)	Consistent with standard reference	Complies
Identification (Mass Spectrometry)	Consistent with standard reference	Complies
Purity	$\geq 98\%$	$\geq 98\%$
Melting Point	163 - 166 °C	164 - 165 °C
Solubility	Soluble in dilute aqueous acid	Complies
Optical Rotation ($\alpha_{25/D}$)	$+23.0^\circ \pm 2.0^\circ$ at c = 0.95% in 6 N HCl	$+23.8^\circ$
Carbon Content	44.72%	44.67%
Hydrogen Content	6.88%	6.88%
Nitrogen Content	8.69%	8.63%

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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