



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-490473
Lot Number: SAMPLE
Product Name: D-Glucono-1,5-lactone-1-¹³C
CAS Number: 90-80-2 (unlabeled)
Molecular Formula: C₆(¹³C)H₁₀O₆
Molecular Weight: 179.13

Test	Specification	Result
Appearance		White to off-white solid
Identification (1H-NMR)	Consistent with structure	Complies
Identification (13C-NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Isotopic Purity		99.6%
Purity (HPLC)		99.34%
Purity (TLC)		96%
Melting Point		156 - 161 °C
Specific Rotation		+66.9° (c = 0.6, Water)
Carbon Content	40.78%	40.22%
Hydrogen Content	5.63%	5.25%

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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