



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-220862
Lot Number: SAMPLE
Product Name: 3-Deoxy-D-glucose
CAS Number: 2490-91-7
Molecular Formula: $C_6H_{12}O_5$
Molecular Weight: 164.16

Test	Specification	Result
Appearance	White to off-white crystalline powder	White crystalline powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	$\geq 98\%$	99.0%
Purity (TLC)	One spot	Complies
Melting Point		131 - 135 °C
Specific Rotation ($\alpha_{20/D}$)		$+31.1 \pm 0.1^\circ$ (c=10, H ₂ O, 24hrs)

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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