



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-214446
Lot Number: SAMPLE
Product Name: α -D-Glucosamine 1-phosphate
CAS Number: 2152-75-2
Molecular Formula: $C_6H_{14}NO_8P$
Molecular Weight: 259.15

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Identification (1H -NMR)	Consistent with the structure	Complies
Identification (^{13}C -NMR)	Consistent with the structure	Complies
Purity (TLC)	$\geq 97\%$	99.4%
Solution (Clarity)	Colorless	Complies
Solution (Turbidity)	Clear in 100 mg/ml H ₂ O	Clear
Carbon Content	27.1 - 28.4%	27.7%
Nitrogen Content	5.0- 5.6%	5.4%
Water Content (KF)	$\leq 8.5\%$	5.7%

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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