



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-220927
Lot Number: SAMPLE
Product Name: 4-Aminophenyl β -D-glucopyranoside
CAS Number: 20818-25-1
Molecular Formula: $C_{12}H_{17}NO_6$
Molecular Weight: 271.27

Test	Specification	Result
Appearance	White to white with yellow cast powder	White powder
Identification (NMR)	Consistent with structure	Complies
Purity (TLC)	$\geq 98.00\%$	100.00%
Solution (Color)	Colorless to yellow at 49.00 - 51.00 mg/ml in water	Very faint yellow at 49.72 mg/ml in water
Solution (Turbidity)	Clear to slightly hazy at 49.00 - 51.00 mg/ml in water	Very slightly hazy at 49.72 mg/ml in water
Specific Rotation	-65.00 - -59.00° (c = 9.00 - 11.00 mg/ml, water)	-63.90° (c = 10.00 mg/ml, water)
Carbon Content	52.63 - 53.63% (anhydrous)	53.43%
Nitrogen Content	4.66 - 5.66% (anhydrous)	5.00%
Water Content (KF)	$\geq 0.00\%$	2.55%

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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