



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-220926  
Lot Number: SAMPLE  
Product Name: 4-Aminophenyl  $\beta$ -D-galactopyranoside  
CAS Number: 5094-33-7  
Molecular Formula:  $C_{12}H_{17}NO_6$   
Molecular Weight: 271.27

Test	Specification	Result
Appearance (Color)	White to white with yellow cast	White
Appearance (Form)	Powder	Complies
Identification (NMR)	Consistent with structure	Complies
Purity (TLC)	$\geq 98.00\%$	99.00%
Solubility	Clear colorless to yellow solution at 49.00 - 51.00 mg/ml in water (heating)	Clear colorless solution at 50.00 mg/ml in water (heating)
Extinction Coefficient	8.20 - 9.80	8.52
Specific Rotation	-42.00 - -34.00° (9.00 - 11.00 mg/ml in water)	-38.30° (9.92 mg/ml in water)
Carbon Content	52.63 - 53.63% (anhydrous)	53.48%
Nitrogen Content	4.56 - 5.56% (anhydrous)	5.14%
Water Content (KF)	$\geq 0.00\%$	1.47%

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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