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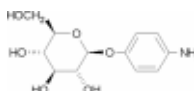
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Certificate of Analysis

Product Name:

4-Aminophenyl β-D-glucopyranoside

Product Number: A1269
Batch Number: 036M4088V
Brand: SIGMA
CAS Number: 20818-25-1
Formula: C₁₂H₁₇NO₆
Formula Weight: 271.27 g/mol
Storage Temperature: Store at -20 °C
Quality Release Date: 23 FEB 2016
Recommended Retest Date: FEB 2019



Test	Specification	Result
Appearance (Form)	Powder	Powder
Appearance (Colour)	White to White w/ Yellow Cast	White
Solubility (Solvent)	Water	Water
Solubility (Conc)	49.00 - 51.00 mg/ml	50.10 mg/ml
Solubility (Turbidity)	Clear to Slightly Hazy	Clear
Solubility (Color)	Colorless to Yellow	Colorless
Water (by Karl Fischer)	≥ 0.00 %	2.20 %
Elemental Anal. (%C anhydrous)	52.63 - 53.63 %	53.54 %
Elemental Anal. (%N anhydrous)	4.66 - 5.66 %	5.36 %
Purity (TLC)	≥ 98.00 %	99.00 %
NMR (Solvent)	D ₂ O	D ₂ O
Identity by NMR	Consistent	Consistent with Structure
Specific Rotation (Solvent)	Water	Water
Specific Rotation (Conc)	9.00 - 11.00 mg/ml	10.00 mg/ml
Specific Rotation (Alpha D)	-65.00 - -59.00 deg	-64.00 deg

Theo Ackermann PhD MScEng CQM
 Manager, Quality and Regulatory Affairs
 Jerusalem, Israel IL

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.