

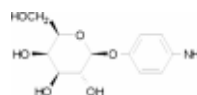
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## Product Specification

Product Name:  
4-Aminophenyl β-D-galactopyranoside - β-galactosidase substrate

Product Number: **A9545**  
CAS Number: 5094-33-7



Formula: C<sub>12</sub>H<sub>17</sub>NO<sub>6</sub>  
Formula Weight: 271.3 AMU

TEST	Specification
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Appearance (Form)	Powder
Appearance (Colour)	White to White w/ Yellow Cast
Solubility (Solvent)	Water
Solubility (Conc)	49.00 - 51.00 mg/ml
Solubility (Heating)	Yes
Solubility (Turbidity)	Clear
Solubility (Color)	Colorless to Yellow
Purity (TLC)	≥ 98.00 %
NMR (Solvent)	D2O
Identity by NMR	Consistent
Elemental Anal. (%C anhydrous)	52.63 - 53.63 %
Elemental Anal. (%N anhydrous)	4.56 - 5.56 %
Specific Rotation (Solvent)	Water
Specific Rotation (Conc)	9.00 - 11.00 mg/ml
Specific Rotation (Alpha D)	-42.00 - -34.00 deg
UV (Solvent)	0.1M Phosphate Buffer PH 7
UV (EmM at Lambda max 1)	8.20 - 9.80
Recommended Retest Period	-----
5 Years	

Specification: PRE.0.ZQ5.10000005774

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.