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CERTIFICATE OF ANALYSIS

Product Name p-Nitrophenyl alpha-D-glucopyranoside
Product Code 38051
Batch No W/SAMPLE
CAS Number 3767-28-0
Molecular Formula C₁₂H₁₅NO₈
Molecular Weight 301.3
Product Storage To prevent deterioration, the product should be stored in tightly closed containers in a freezer or cold room at -20 degrees centigrade.

Test	Specification	Result
Appearance	Off-white crystalline solid	Off-white crystalline solid
Purity	Free p-Nitrophenol <200ppm	Free p-Nitrophenol <200ppm
Specific Optical Rotation	[alpha]D +212° to +222°	+217°
Specific Optical Rotation Method	c = 1 in water, 20°C	c = 1 in water, 20°C
HPLC	>98%	98.5%
Water content	<1% (by Karl Fischer)	0.4%
Expiration date		01 January 2007

Date of Issue 01 January 2001 **Version** 1

Chemist Mrs Ellen Atkinson MChem.

Approval

Document No. 38051/W/SAMPLE