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CERTIFICATE OF ANALYSIS

Product Name	p-Nitrophenyl alpha-D-glucoopyranoside
Product Code	38051
Batch No	W/3823
CAS Number	3767-28-0
Molecular Formula	C ₁₂ H ₁₅ NO ₈
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°	[alpha]D+218°
Specific Optical Rotation Method	c = 1 in water, 20°C	c = 1 in water, 20°C
HPLC	>98%	99%
Water content	<1% (by Karl Fischer)	0.4%
Expiration date		1 October 2031

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Chemist Miss Em Harrison BSc.

Approval

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