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CERTIFICATE OF ANALYSIS

Product Name p-Nitrophenyl alpha-D-galactopyranoside

Product Code 38039

Batch No W/SAMPLE

CAS Number 7493-95-0

Molecular Formula C₁₂H₁₅NO₈

Molecular Weight 301.25

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	White powder with a yellow cast	White powder with a yellow cast
Specific Optical Rotation	[alpha]D +233 to +253°	[alpha]D +243°
Specific Optical Rotation Method	c = 1 in water, 20°C	C = 1 in water, 20°C
HPLC	>98%	98.5%
Purity	Free p-Nitrophenol <0.1%	<0.1%
Expiration date		01 January 2007

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

Chemist Mrs Ellen Atkinson MChem.

Approval

A handwritten signature in black ink, appearing to read "E. Atkinson", is written over a faint, large, diagonal watermark that says "SAMPLE".

Document No. 38039/W/SAMPLE