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CERTIFICATE OF ANALYSIS

Product Name o-Nitrophenyl beta-D-galactopyranoside
Product Code 24045
Batch No W/SAMPLE
CAS Number 369-07-3
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	White crystalline powder with a yellow cast	White crystalline powder with a yellow cast
TLC	One major spot	One major spot
Purity	Free o-nitrophenol <300ppm	Free o-nitrophenol <300ppm
Specific Optical Rotation	[alpha]D -68° to -72°	[alpha]D -70°
Specific Optical Rotation Method	c = 1 in water, 20°C	c = 1 in water, 20°C
Expiration date		01 January 2007

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

Chemist Mrs Ellen Atkinson MChem.

Approval

Document No. 24045/W/SAMPLE