



Glycosynth Limited  
14 Craven Court  
Winwick Quay  
Warrington  
WA2 8QU

Tel: + 44 (0) 1925 575075  
E-Mail: [info@glycosynth.co.uk](mailto:info@glycosynth.co.uk)  
Web Site: [www.glycosynth.co.uk](http://www.glycosynth.co.uk)

## CERTIFICATE OF ANALYSIS

**Product Name** p-Nitrophenyl beta-D-glucopyranoside  
**Product Code** 38059  
**Batch No** W/SAMPLE  
**CAS Number** 2492-87-7  
**Molecular Formula** C<sub>12</sub>H<sub>15</sub>NO<sub>8</sub>  
**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 powder	White powder
HPLC	>99%	99.5%
Purity	Free p-Nitrophenol <200ppm	Free p-Nitrophenol <200ppm
Solution Test	1% solution in water is clear and practically colourless	1% solution in water is clear and practically colourless
Water content	<9%	3%
Specific Optical Rotation	[alpha] <sub>D</sub> -101° to 111.5°	-106°
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.** 38059/W/SAMPLE