

Certificate of Analysis

LudgerPure™ 2AA Labelled ALPHA GAL Glycan

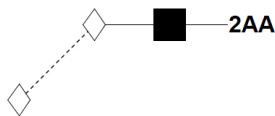
Cat. #: CAA-ALPHA-GAL-01

Batch: B82K-03

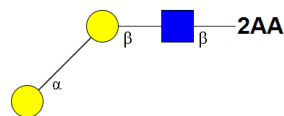
Size: approx. 100 pmol

Expiry Date: 06 JUL 2028

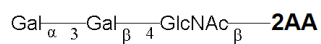
Glycan Structure



Oxford Notation



CFG Notation



Text Notation

Purity: 86.12% 2AA labelled ALPHA GAL glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 114.9 pmols ALPHA GAL glycan – Test performed 06 JUL 2023.

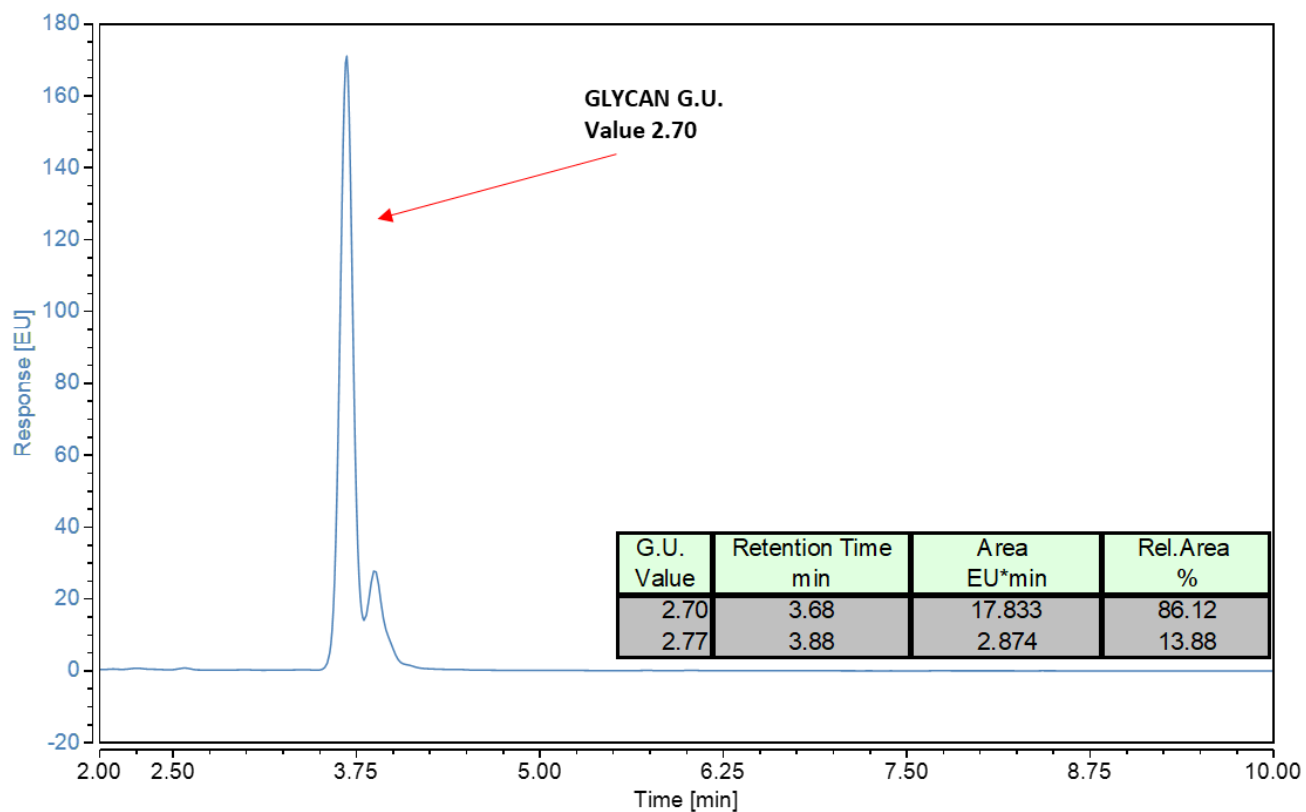


Figure 1: HILIC HPLC profile of 2AA labelled ALPHA GAL glycan (see method conditions below) (Cat. #: CAA-ALPHA-GAL-01, Batch B82K-03).

*ALPHA GAL glycan structure identified by MALDI, MS & HPLC (GU value comparison to GlycoBase). This structure is drawn according to the scheme developed by Oxford-Dublin Glycobiology Laboratory (see Fig 2).

2-AA ALPHA GAL peak seen above, eluted at 3.68 minutes, under the following conditions:

Column: Waters BEH Glycan 1.7µm column (150mm)

Flow: 0.56mL/min.

Temperature: 60 °C

Solvent A: 50mM ammonium formate pH 4.4 **Solvent B:** 100 % acetonitrile

Gradient:

| Time | %B |
|------|------|
| 0.0 | 78.0 |
| 5.0 | 72.5 |
| 5.5 | 40.0 |
| 6.0 | 78.0 |
| 10.0 | 78.0 |

Detector: Dionex FLD-3000

Excitation wavelength: 250 nm

Emission wavelength: 428 nm

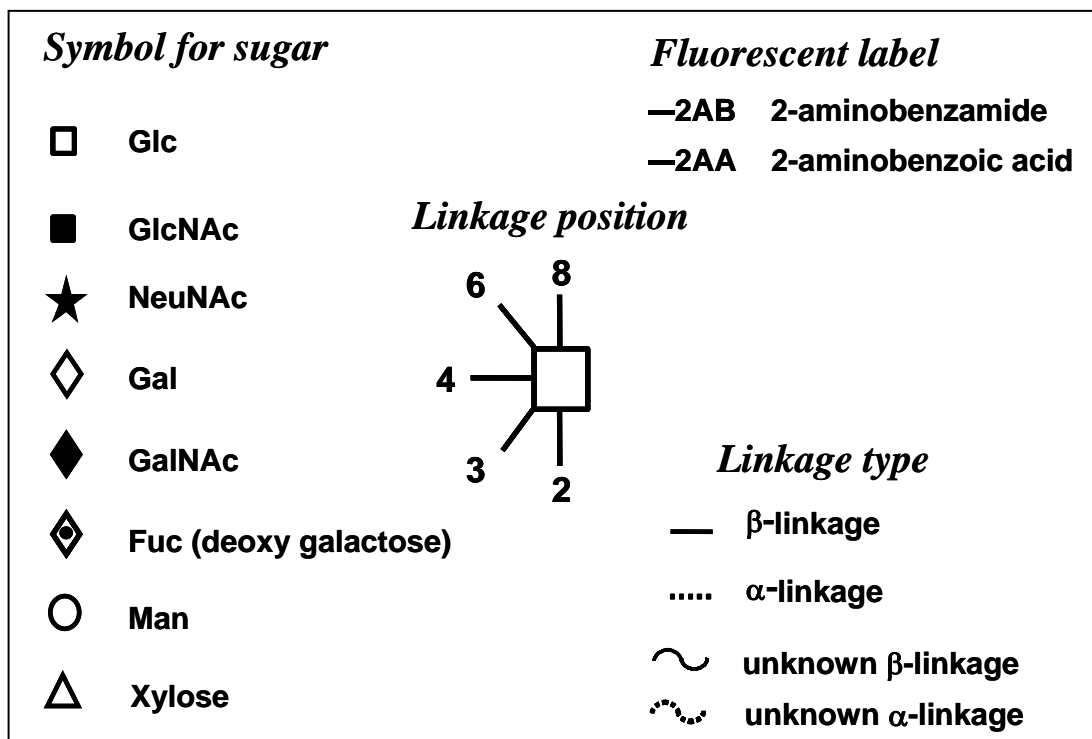


Figure 2: GlycoBase glycan structure key.