

Certificate of Analysis

Ludger-BioQuant 2AA Labelled Chitotriose Standard

Cat. #: BQ-CAA-CHI-01

Batch: B72D-02

Size: 116.3 ± 3.65 pmol

The 2AA labelled chitotriose standard is a fluorescently tagged linear tri-N-acetylglucosamine quantitative standard. The standard has been accurately dispensed from a bulk solution, the concentration of which has been determined by quantitative NMR.

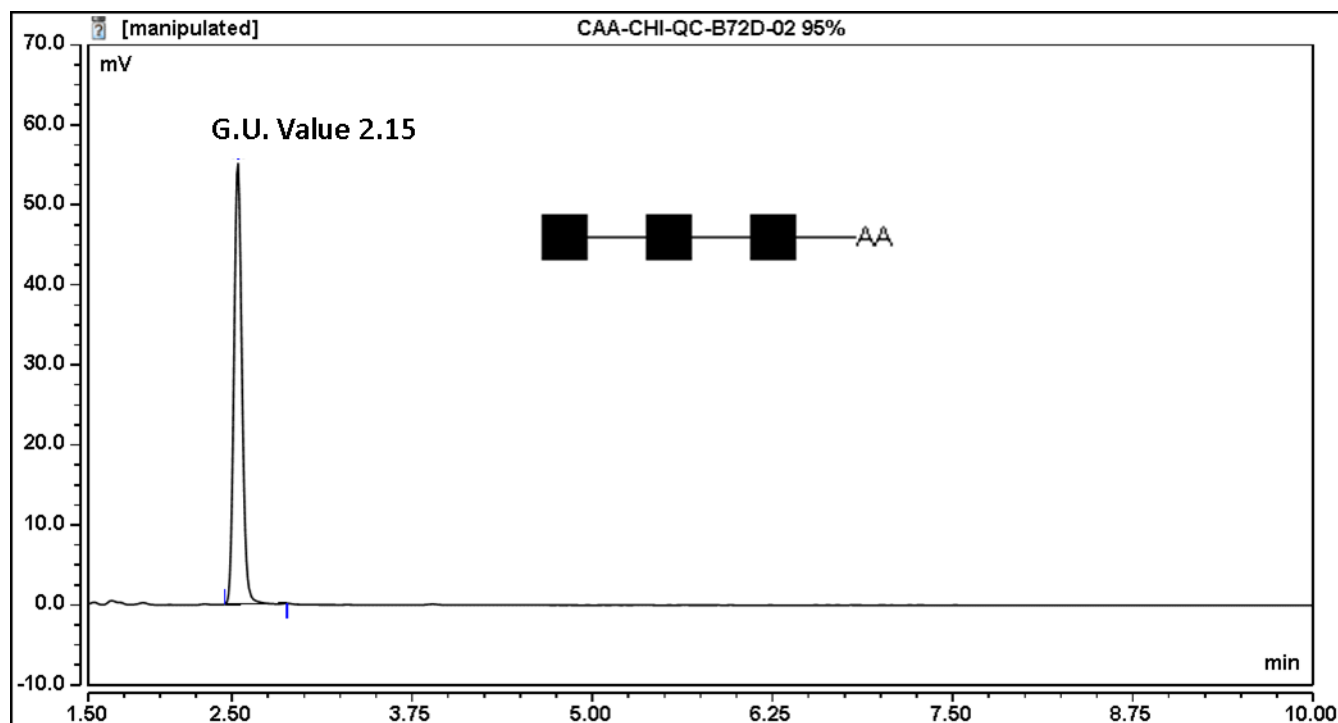


Figure 1: Waters BEH column HPLC profile of 2AA labelled chitotriose standard (Cat. #: BQ-CAA-CHI-01, Batch B72D-02).

Accuracy: This analysis was performed on 12 vials of BQ-CAA-CHI-01.

The dispensed amount was determined as 116.3 ± 3.65 (standard deviation) pmol chitotriose per vial.

2AA labeled chitotriose standards eluted under the following HPLC conditions:

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

Flow: 0.4 ml/min.

Temperature: 60 °C

Solvent A: 50mM ammonium formate pH4.4

Solvent B: 100% acetonitrile

Gradient:

Time (min)	%B
0.0	72.0
27	62.0
30	100
32	100
33	72
35	72

HPLC: WATERS UHPLC

Detector: Fluorescence

Excitation wavelength: 250 nm

Emission wavelength: 428 nm

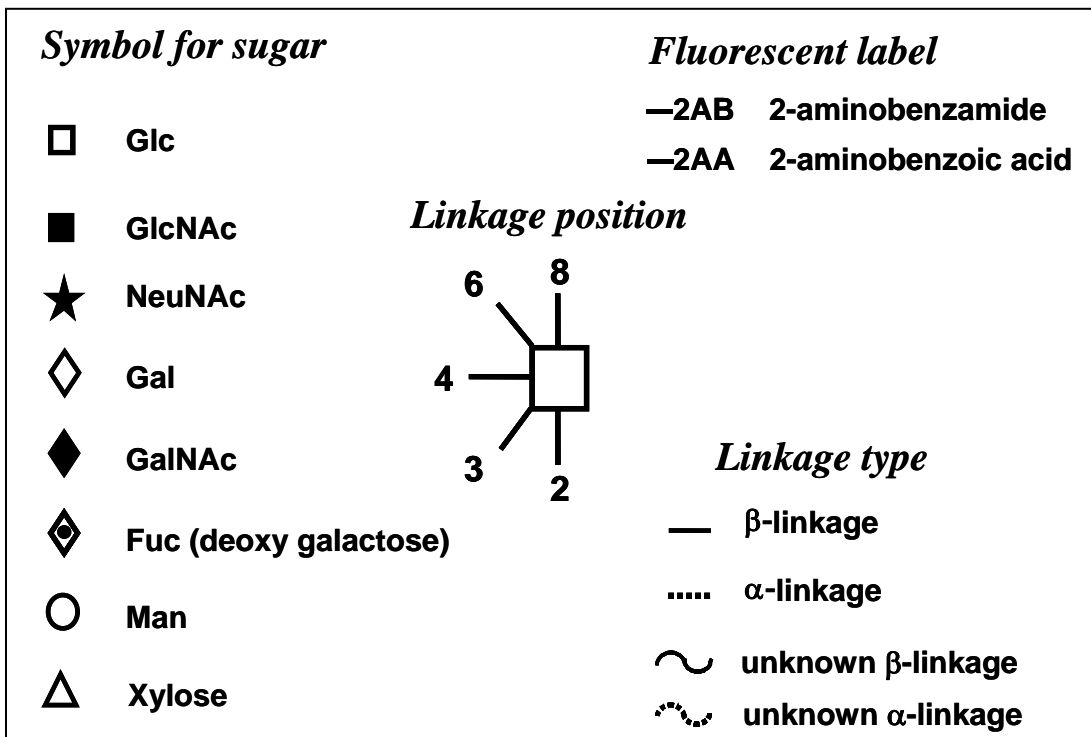


Figure 2: GlycoBase glycan structure key