



Certificate of Analysis

Ludger-BioQuant 2AA Labelled Chitotriose Standard

Cat. #: BQ-CAA-CHI-01

Batch: B37I-02

Size: 120.6 ± (0.6) 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.

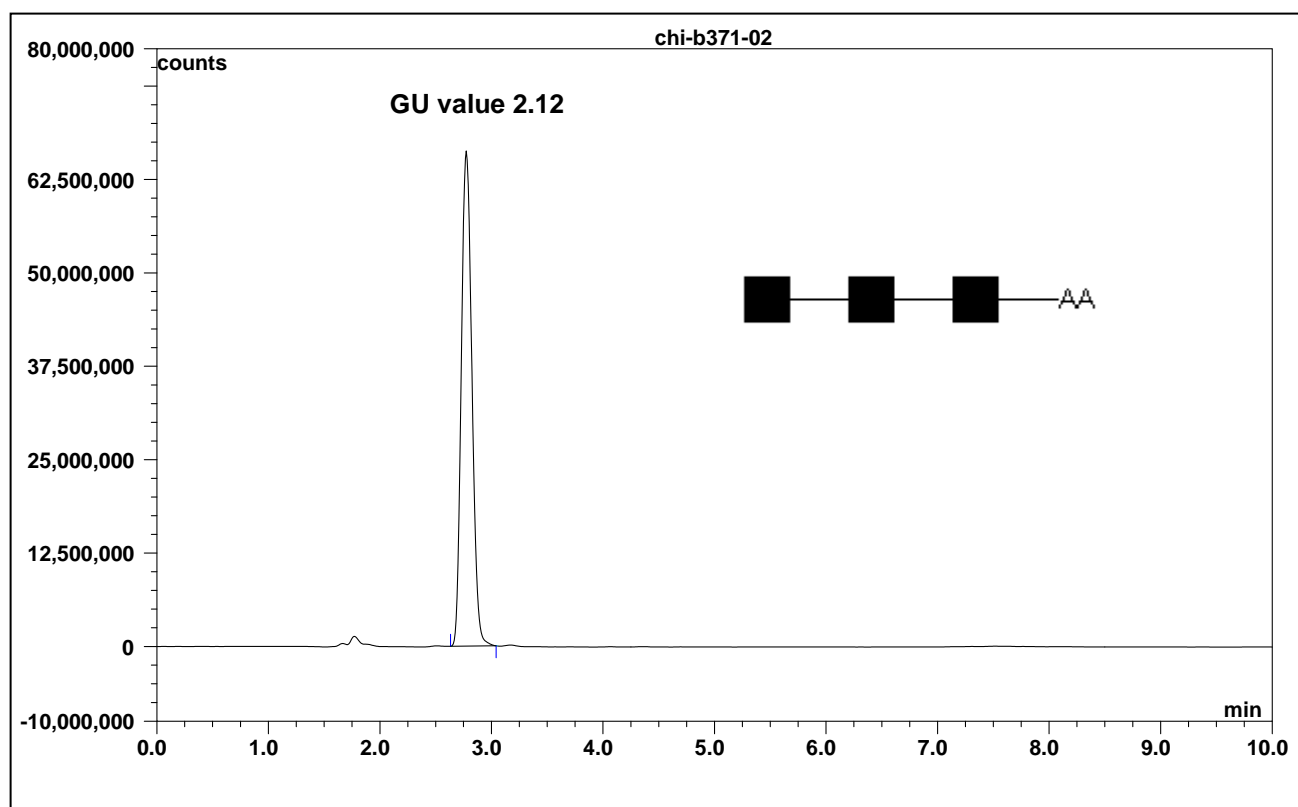


Figure 1: Waters BEH column HPLC profile of 2AA labelled chitotriose standard (Cat. #: BQ-CAA-CHI-01, Batch B37I-02).

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

The dispensed amount was determined as 120.6 ± (0.6) pmol chitotriose per vial.

Values are in pmols ±95% confidence interval.

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

Column: Waters BEH glycan 1.7 μ m column (150mm)

Flow: 0.56 ml/min.

Temperature: 60 °C

Solvent A: 50mM ammonium formate pH4.4

Solvent B: 100% acetonitrile

<u>Gradient:</u>	<u>Time</u>	<u>%B</u>
	0.0	78.0
	5.0	72.5
	5.5	40.0
	6.0	78.0
	10.0	78.0

HPLC: Dionex U3000 UHPLC Detector: U3000 FD

Excitation wavelength: 250 nm

Emission wavelength: 428 nm

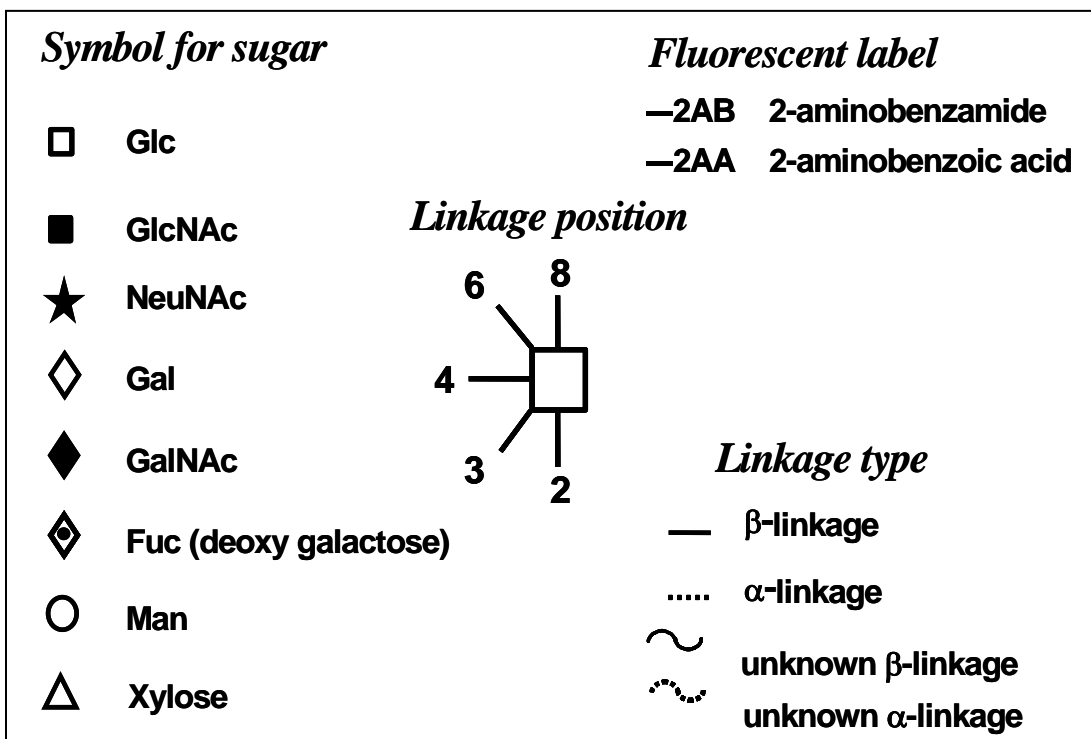


Figure 2: GlycoBase glycan structure key