

Certificate of Analysis

LudgerPure™ 2AA Labeled NA2 Glycan

Cat. #: CAA-NA2-01

Batch: B81Q-02

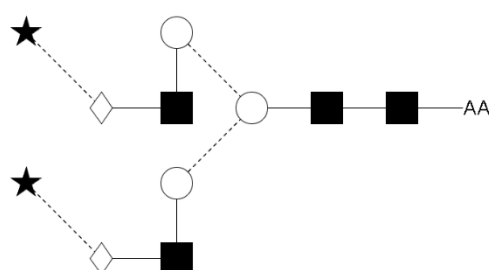
Size: approx. 100 pmol

Expiry Date: 06 JUL 2028

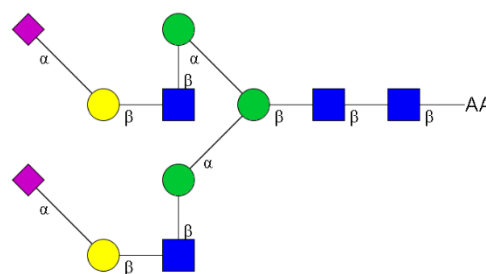
Alternative Names

A2G2, G2

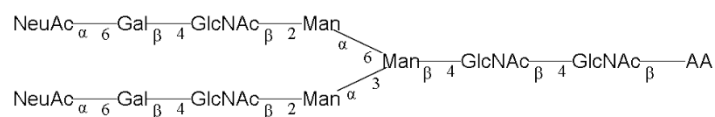
Glycan Structure



Oxford Notation



CFG Notation



Text Notation

Purity: 94.18% 2AA labeled NA2 glycan, as assessed by HPLC - see Fig 1.

Amount: Sample vial determined to contain 107 pmols NA2 glycan – Test performed 05 Jul 2023.

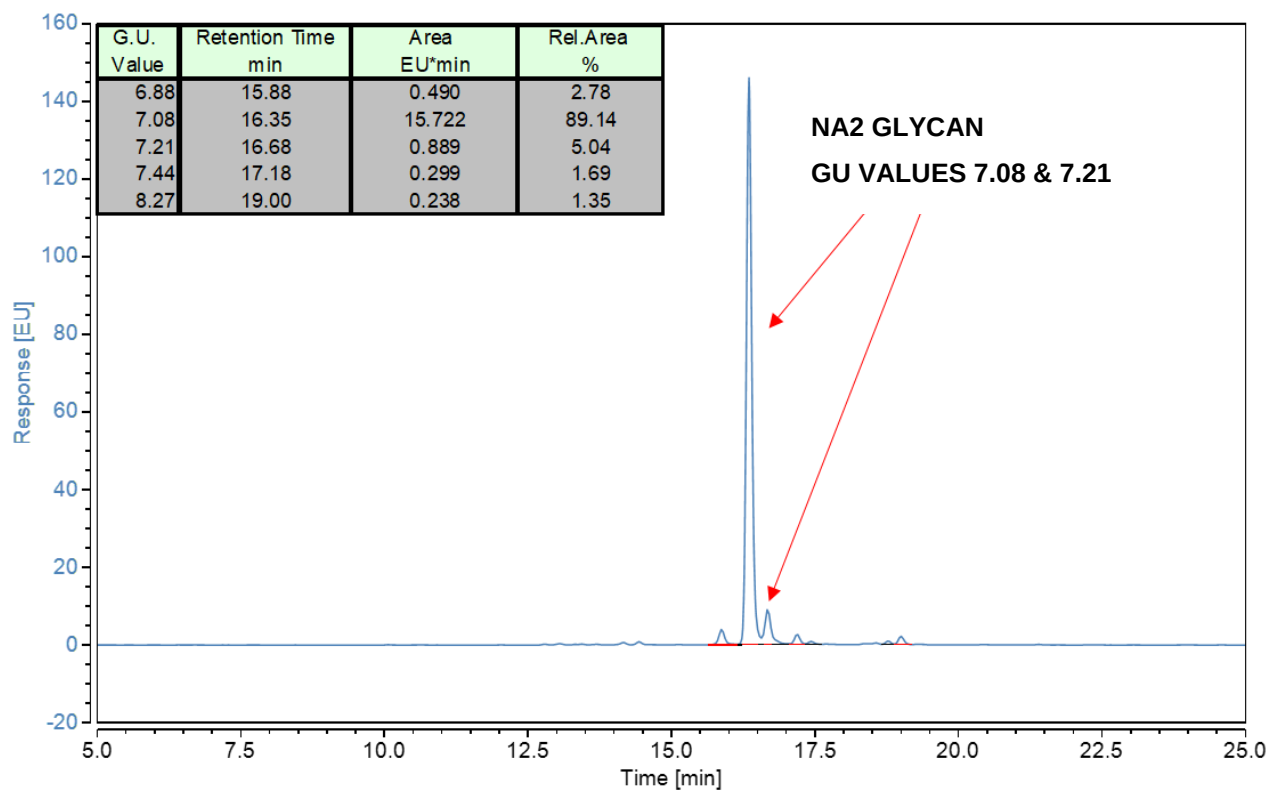


Figure 1: HILIC HPLC profile of 2AA labelled NA2 glycan (see method conditions below) (Cat. #: CAA-NA2-01, Batch B81Q-02).

*NA2 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 NA2 peaks seen above eluted at 16.35 and 16.68 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 (min)	%B
0.0	78.0
1.5	78.0
24.8	58.0
25.8	40.0
25.9	78.0
31.0	78.0

Detector: Fluorescence

Excitation wavelength: 250 nm

Emission wavelength: 428 nm

<i>Symbol for sugar</i>		<i>Fluorescent label</i>
	Glc	—2AB 2-aminobenzamide
	GlcNAc	—2AA 2-aminobenzoic acid
	NeuNAc	
	Gal	
	GalNAc	
	Fuc (deoxy galactose)	
	Man	
	Xylose	

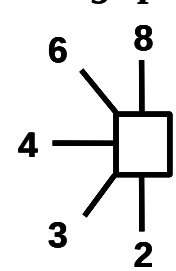
<i>Linkage position</i>		<i>Linkage type</i>
		— β-linkage
		 α-linkage
		~ unknown β-linkage
		~.. unknown α-linkage

Figure 2: GlycoBase glycan structure key.