



2³,3³-di- α -L-Arabinofuranosyl-xylotriose (A^{2,3}XX) (Lot 140705b)

O-A23XX-30MG

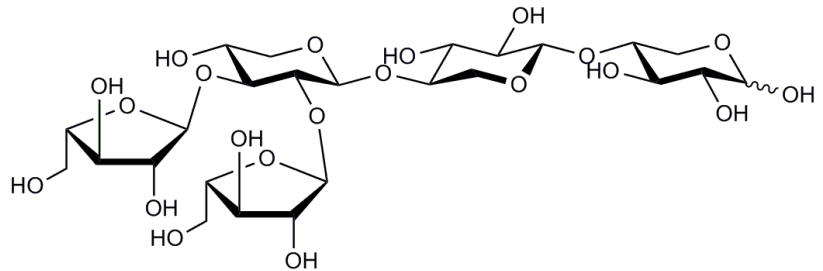
06/19

Molecular

Formula: C₂₅H₄₂O₂₁

MW: 678.6

CAS: 155696-89-2



PREPARATION:

Prepared by controlled enzymic hydrolysis of wheat flour arabinoxylan

PURITY: > 95% (HPLC)

HPLC:

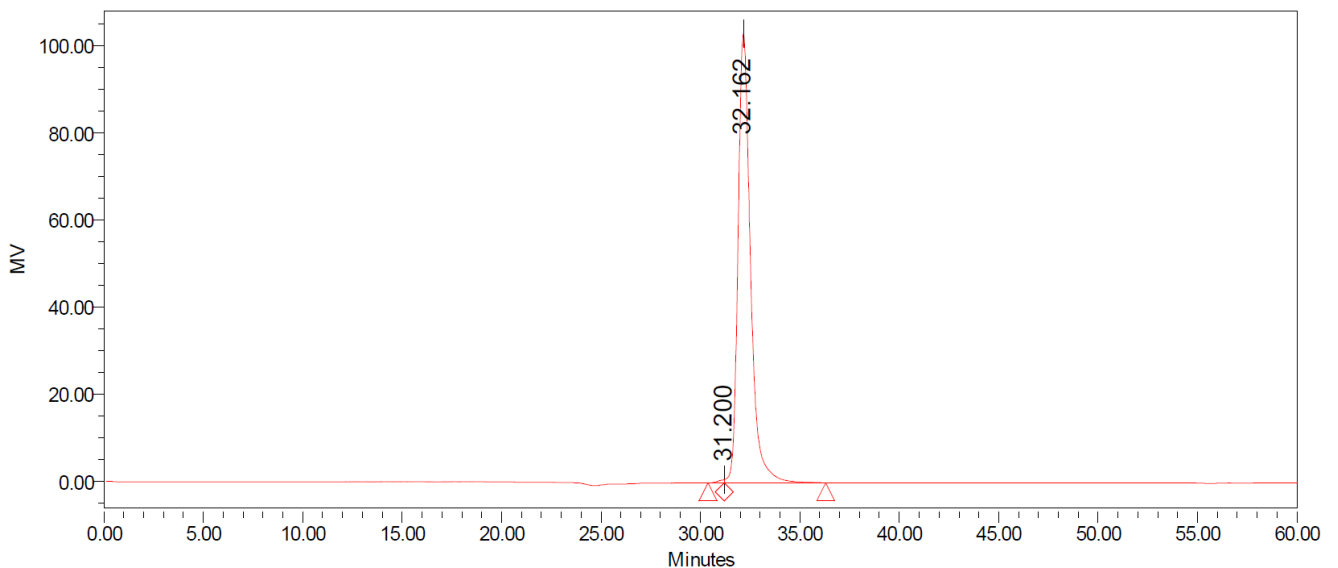
Column: 2 x Tosoh TSK-GEL G2500 PWXL (7.8 x 300 mm) plus guard column (7.8 x 35mm)

Temperature: 80°C

Mobile phase: dH₂O

Flow rate: 0.5 mL/min

HPLC System: Waters Alliance e2695 Separations Module, Waters 2414 RI detector and Empower v 3 software



Processed Channel: 410

	Processed Channel	Retention Time (min)	Area	% Area	Height
1	410	31.200	15078	0.33	757
2	410	32.162	4487419	99.67	103091

HPAEC-PAD:

Column: CarboPac PA200 guard and analytical columns (3 x 250 mm)

Temperature: 30°C

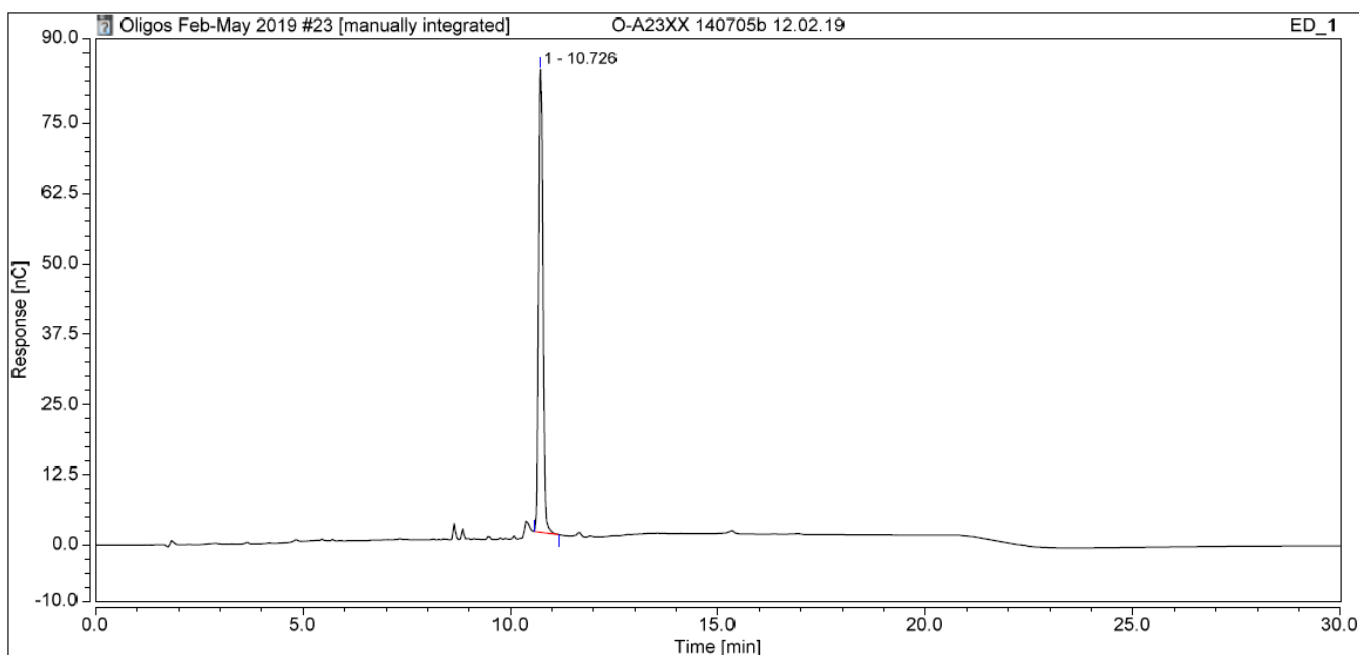
Detector: Au electrode; waveform Carbohydrate, standard quad

Flow rate: 0.5 mL/min

IC system: Dionex ICS5000+ DP system and Chromeleon 7 software

A stepwise linear gradient method was employed as shown.

Time (min)	100 mM NaOH (%)	120 mM NaOAc (%)
0	100	0
5	55	45
9	30	70
10	0	100

**TLC:** n -Propanol : Ethanol : H₂O = 7:1:2 (run once) on Merck TLC Silicagel 60F₂₅₄