



3²- α -L-Arabinofuranosyl-xylobiose (A³X) (Lot 150703)

O-A3X

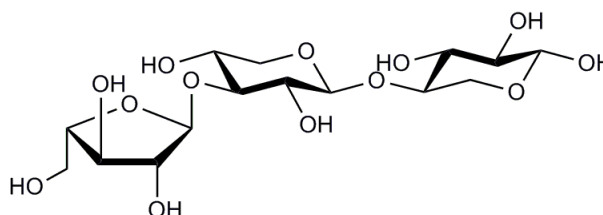
08/15

Molecular

Formula: C₁₅H₂₆O₁₃

MW: 414.4

CAS No. 144938-89-6



PREPARATION:

Prepared by controlled enzymic hydrolysis of wheat flour arabinoxylan

PURITY: > 95%

HPLC:

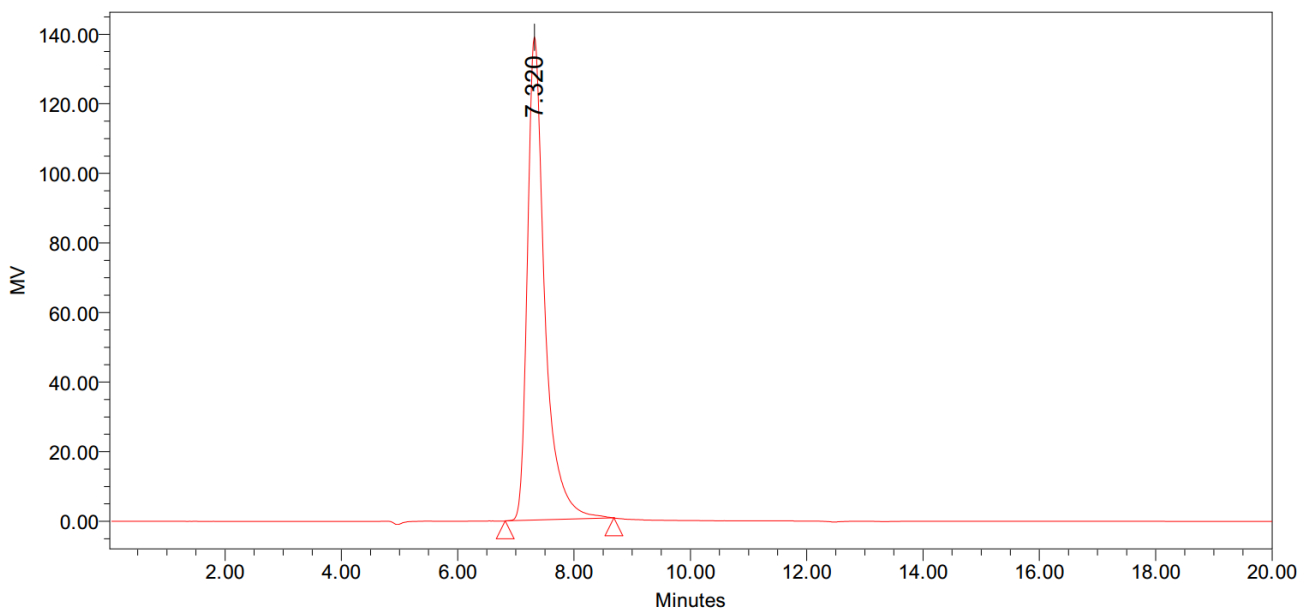
Column: Waters SugarPak I (6.5 x 300 mm)

Temperature: 90°C

Mobile phase: dH₂O with disodium calcium EDTA (50 mg/L) [Sigma Cat No. ED2SC]

Flow rate: 0.5 mL/min

HPLC System: Waters Breeze system, Waters 2410 RI detector and Empower v 2 software



Peak Results

Name	RT	Area	% Area	Height	% Height
1	7.320	2873518	100.00	139013	100.00

HPAEC-PAD:

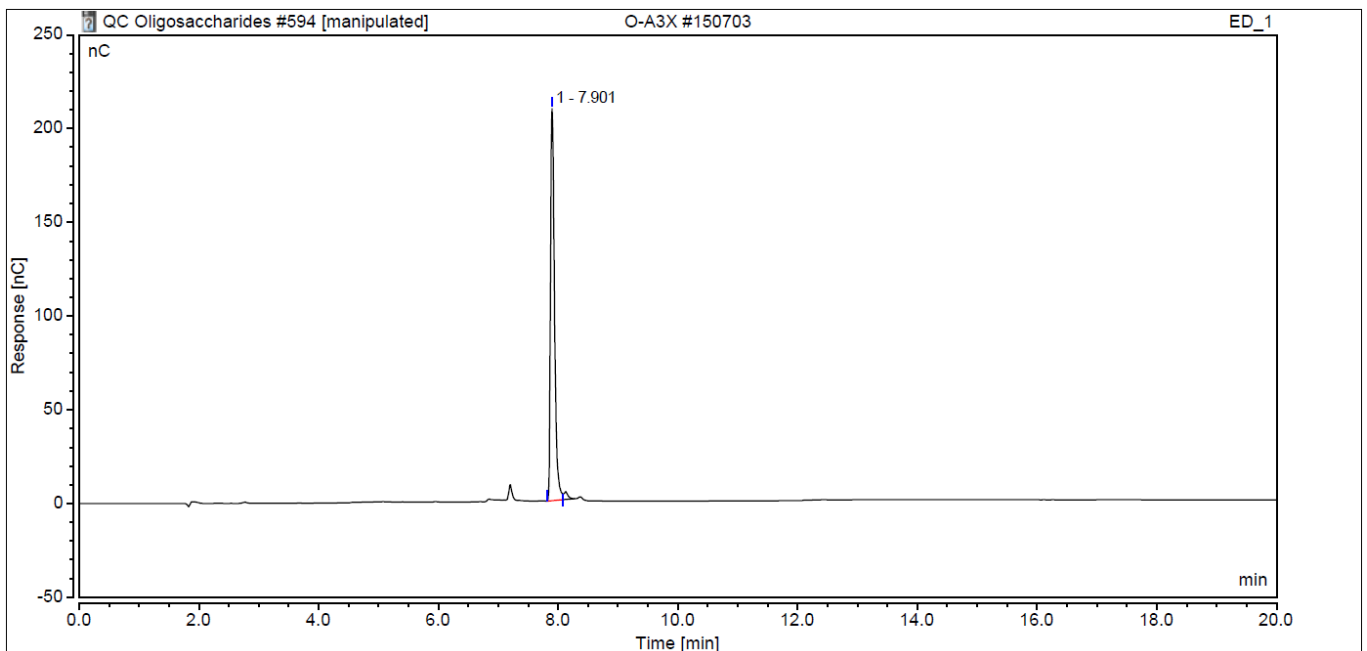
A stepwise linear gradient method was employed on a Dionex ICS5000+ DP equipped with Dionex CarboPac PA200 guard and analytical columns (3 x 250 mm) as shown.

Detector: Au electrode; waveform Carbohydrate, standard quad

Flow rate: 0.5 mL/min

Temperature: 30°C

Time (min)	100 mM NaOH (%)	120 mM NaOAc (%)
0	100	0
5	55	45
9	30	70
10	0	100
25	0	100
27	100	0
30	100	0



TLC:

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

