



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

O-A23XX-30MG

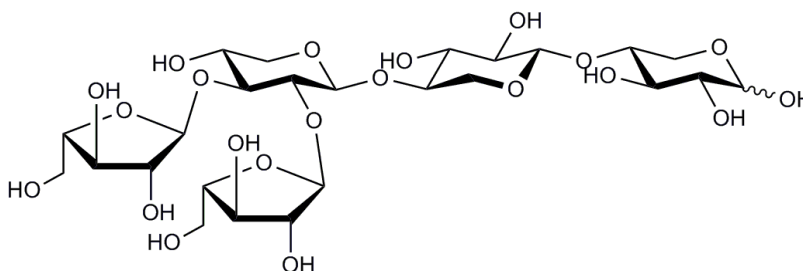
07/15

Molecular

Formula: C₂₅H₄₂O₂₁

MW: 678.6

CAS No. 155696-89-2



PREPARATION:

Prepared by controlled enzymic hydrolysis of wheat flour arabinoxylan

PURITY: > 95%

HPLC:

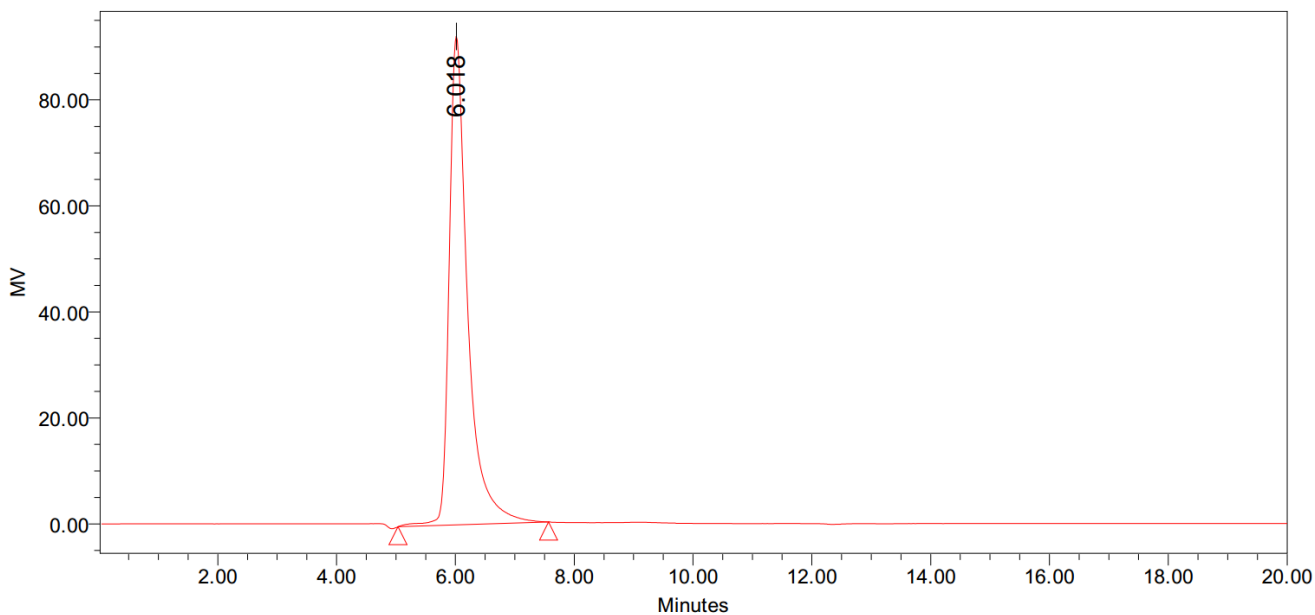
Column :- Waters SugarPak I (6.5 x 300 mm)

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	6.018	1995414	100.00	92216	100.00

HPAEC-PAD:

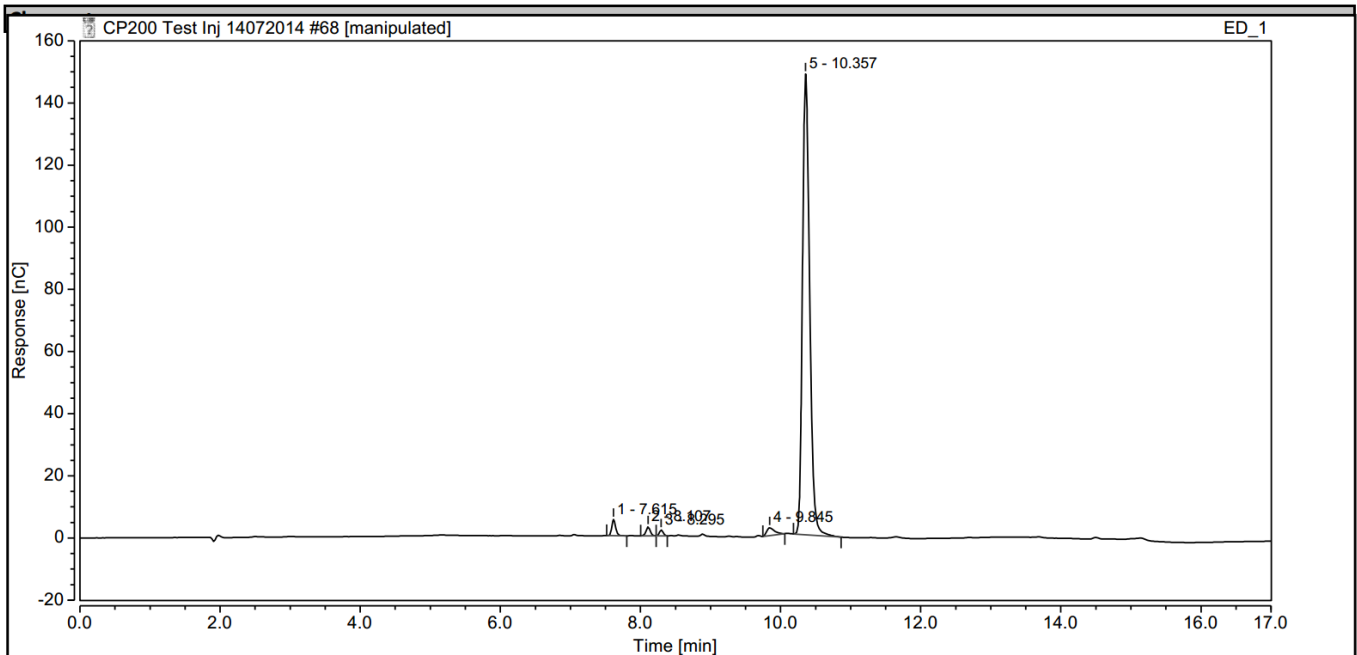
A stepwise linear gradient method was employed on a Dionex ICS5000+ DP equipped with Dionex CarboPac PA200 guard and analytical columns (3 x 250 mm) as shown.

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

