



**3<sup>3</sup>-α-L-Arabinofuranosyl-xylotetraose plus 2<sup>3</sup>-α-L-Arabinofuranosyl-xylotetraose (XA<sup>3</sup>XX / XA<sup>2</sup>XX) (Lot 120207a)**

**O-XAXXMIX-10MG**

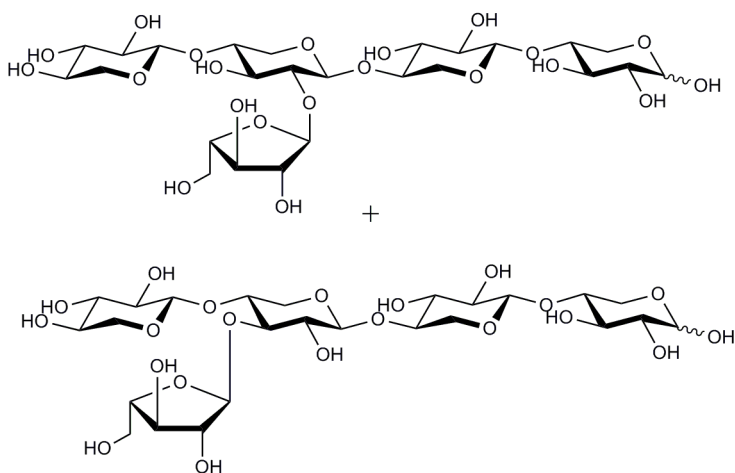
**07/15**

**Molecular**

**Formula:** C<sub>25</sub>H<sub>42</sub>O<sub>21</sub>

**MW:** 678.6

**CAS No.** 84666-93-3



**PREPARATION:**

Prepared by controlled enzymic hydrolysis of wheat flour arabinoxylan

**PURITY:** > 95%

**HPLC:**

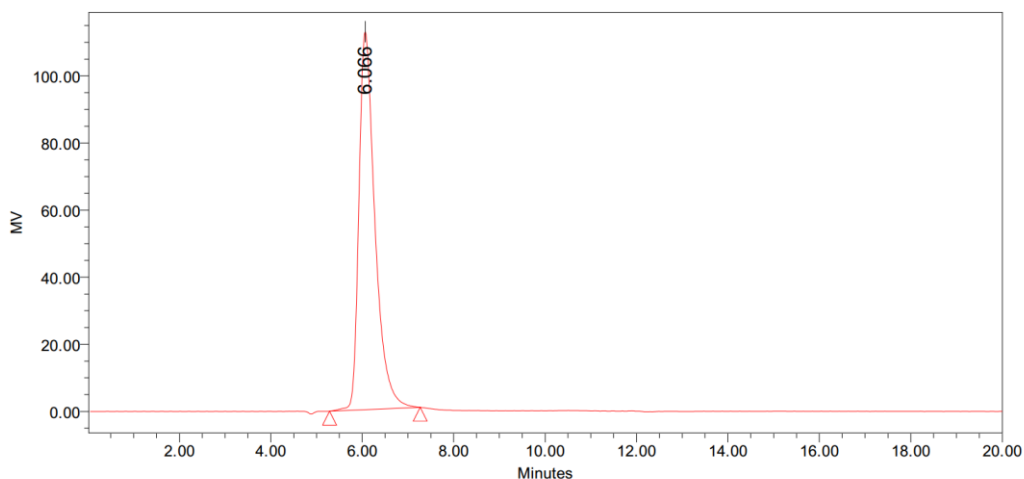
Column :- Waters SugarPak I (6.5 x 300 mm)

Temperature :- 90°C

Mobile phase :- dH<sub>2</sub>O 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	6.066	2734520	100.00	112677	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.

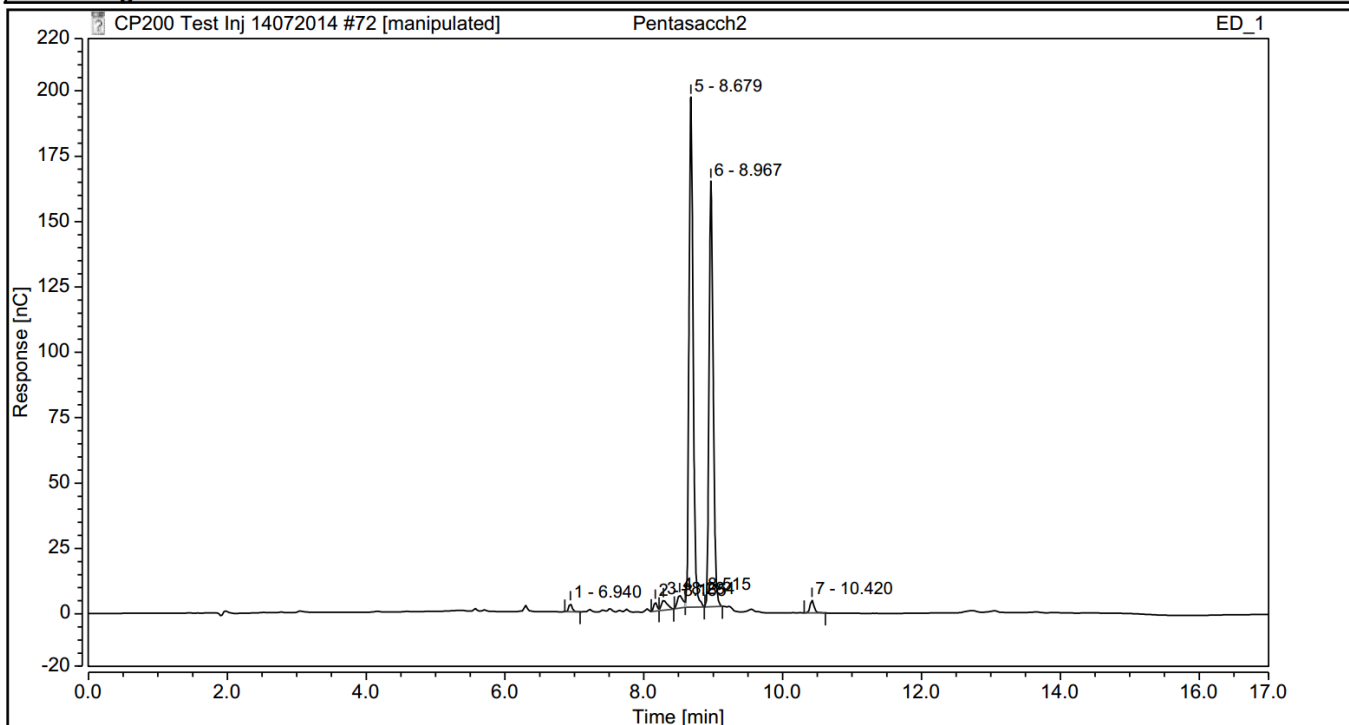
Detector :- Au electrode; waveform Carbohydrate, standard quad

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

**Chromatogram**



**TLC:**

*n*-Propanol : Ethanol : H<sub>2</sub>O = 7:1:2 (run once) on Merck TLC Silicagel 60F<sub>254</sub>

