



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

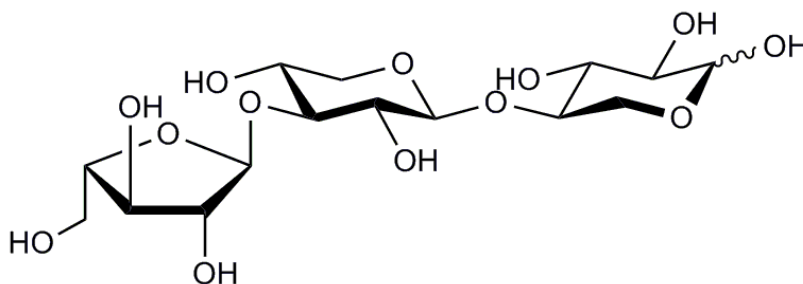
O-A3X

10/19

CAS: 144938-89-6

Molecular Formula: C₁₅H₂₆O₁₃

MW: 414.4



PREPARATION:

Prepared by controlled enzymic hydrolysis of wheat flour arabinoxylan

PURITY: > 95% (HPLC)

HPLC:

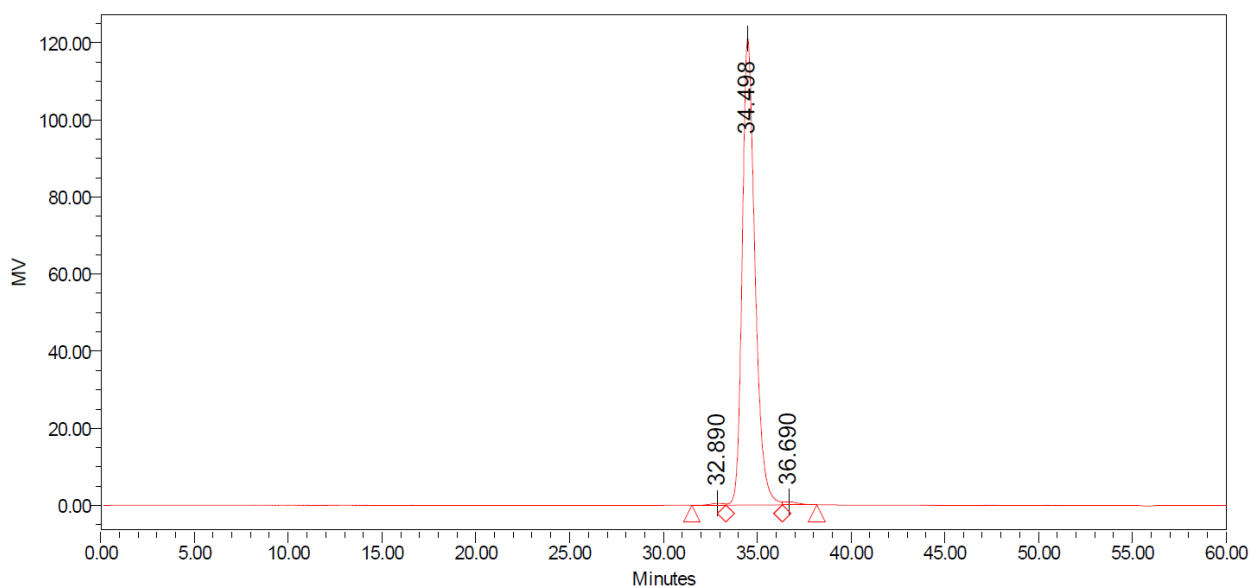
Column: 2 x Tosoh TSK-GEL G2500 PWXL (7.8 x 300 mm) plus guard column (7.8 x 35mm)

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	32.890	22181	0.38	456
2	410	34.498	5731193	98.87	120994
3	410	36.690	43606	0.75	795

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 (%) in 100mM NaOH
0	100	0
5	55	45
9	30	70
10	0	100
25	0	100
27	100	0
30	100	0

