

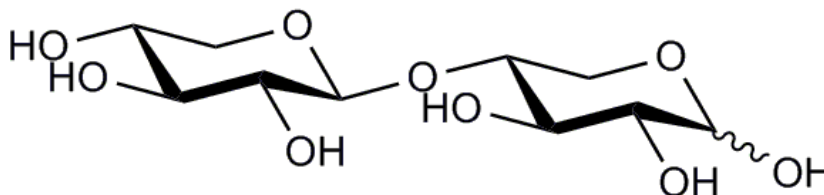


XYLOBIOSE (Lot 191202)

O-XBI

12/19

MW: 282.24
CAS: 6860-47-5



PREPARATION:

Prepared by controlled acid hydrolysis of arabinoxylan.

PURITY: > 95% (HPLC)

HPLC:

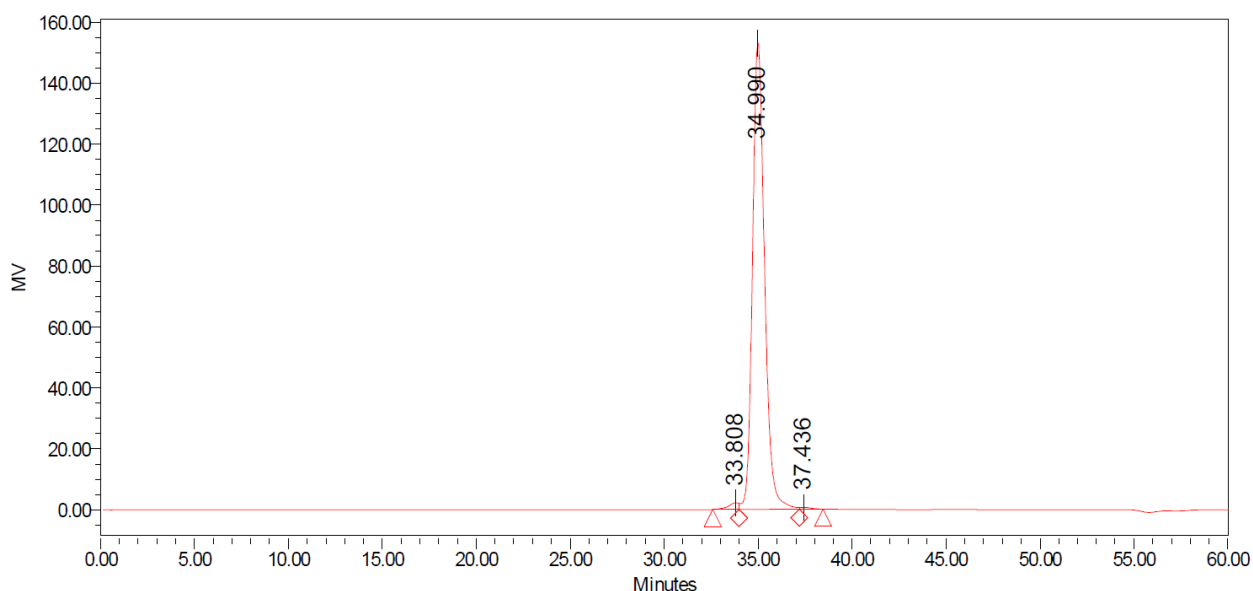
Column: 2 x Tosoh TSK-GEL G2500 PWXL (7.8 x 300 mm) plus guard column (7.8 x 35mm)

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	33.808	79929	1.16	2144
2	410	34.990	6815035	98.49	153077
3	410	37.436	24851	0.36	610

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
2	100	0
10	75	35
14	50	50
15	0	100
18	0	100
19	100	0
25	100	0

