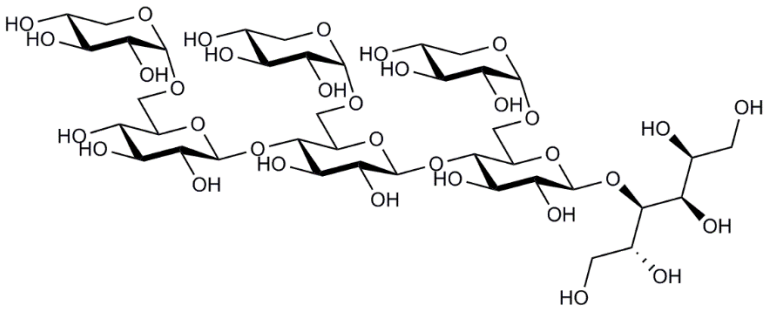
Xyloglucan heptasaccharide (Borohydride reduced) (Lot 21106b)

O-X3G4R **02/19**

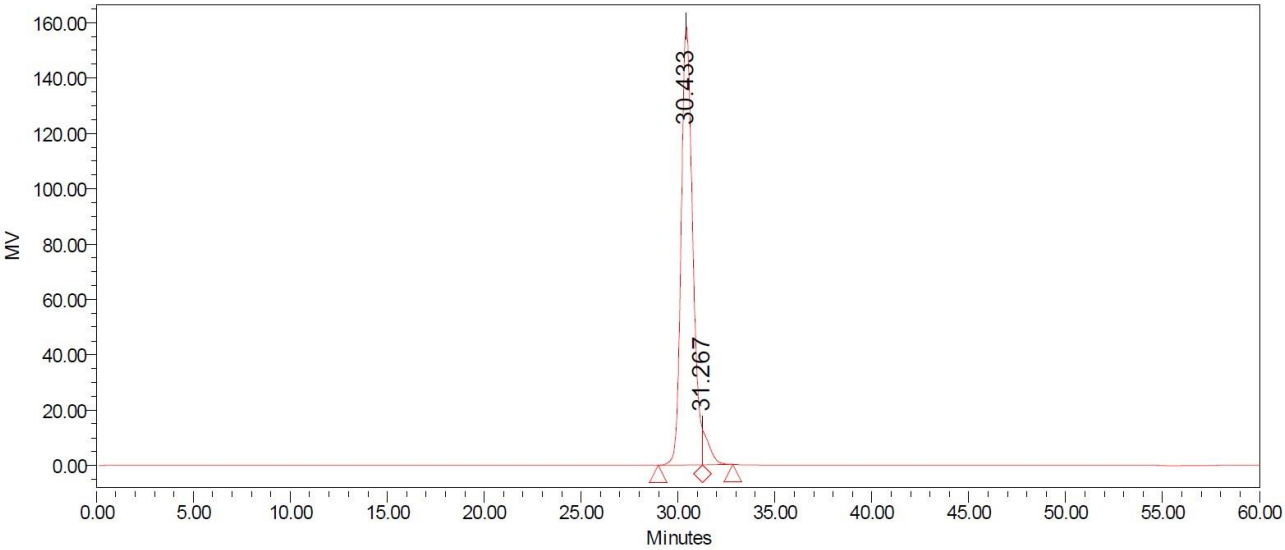
Molecular Formula: $C_{39}H_{68}O_{33}$
MW: 1064.9
CAS: 129865-03-8



PREPARATION:
Prepared by controlled enzymic hydrolysis of xyloglucan

PURITY: > 90% (HPLC)

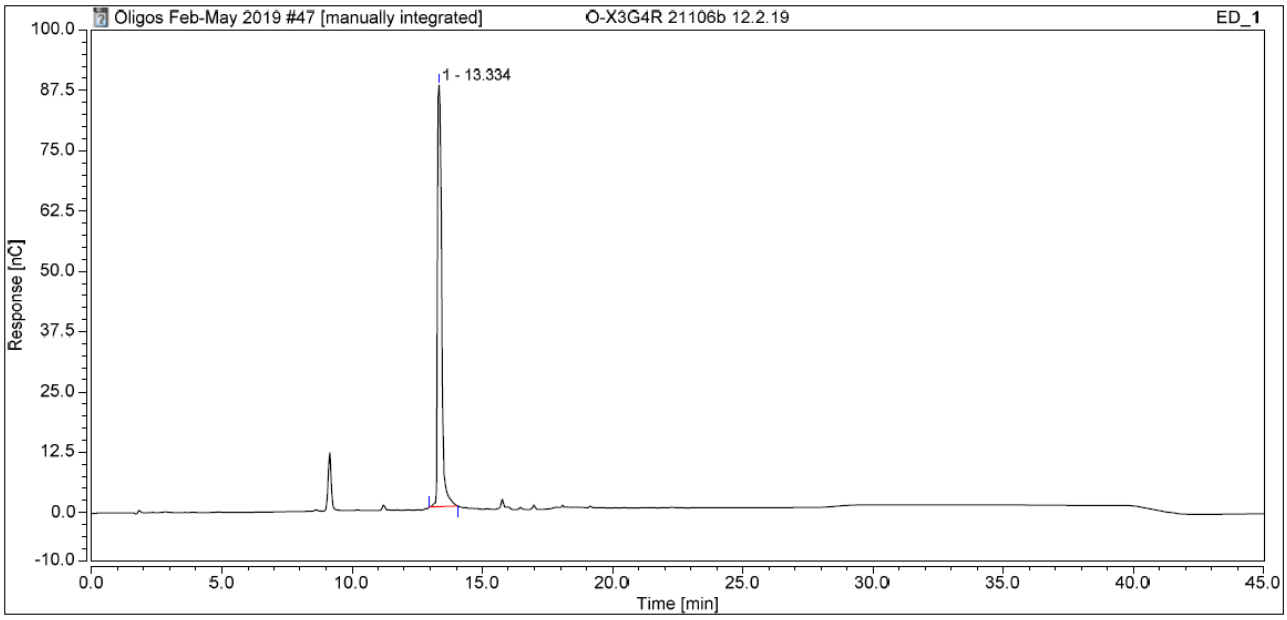
HPLC:
Column: 2 x Tosoh TSK-GEL G2500 PWXL (7.8 x 300 mm) plus guard column (7.8 x 35mm)
Temperature: 80°C
Mobile phase: dH_2O
Flow rate: 0.5 mL/min
HPLC System: Waters Alliance e2695 Separations Module, Waters 2414 RI detector and Empower v 3 software



Processed Channel: 410

	Processed Channel	Retention Time (min)	Area	% Area	Height
1	410	30.433	6498021	95.34	158483
2	410	31.267	317782	4.66	12831

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
14	75	25
15	50	50
25	30	70
26	0	100