

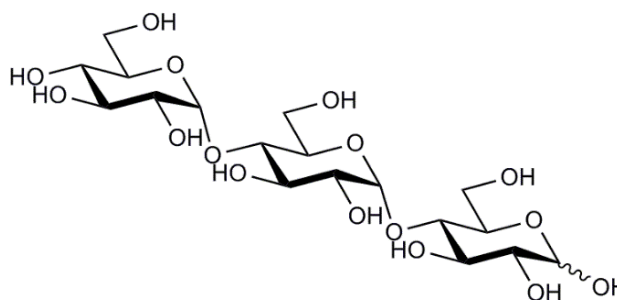


MALTOTRIOSE (Lot 210603)

O-MAL3

06/21

CAS: 1109-28-0
Molecular Formula: $C_{18}H_{32}O_{16}$
MW 504.4



PURITY: > 95% (HPLC)

HPLC:

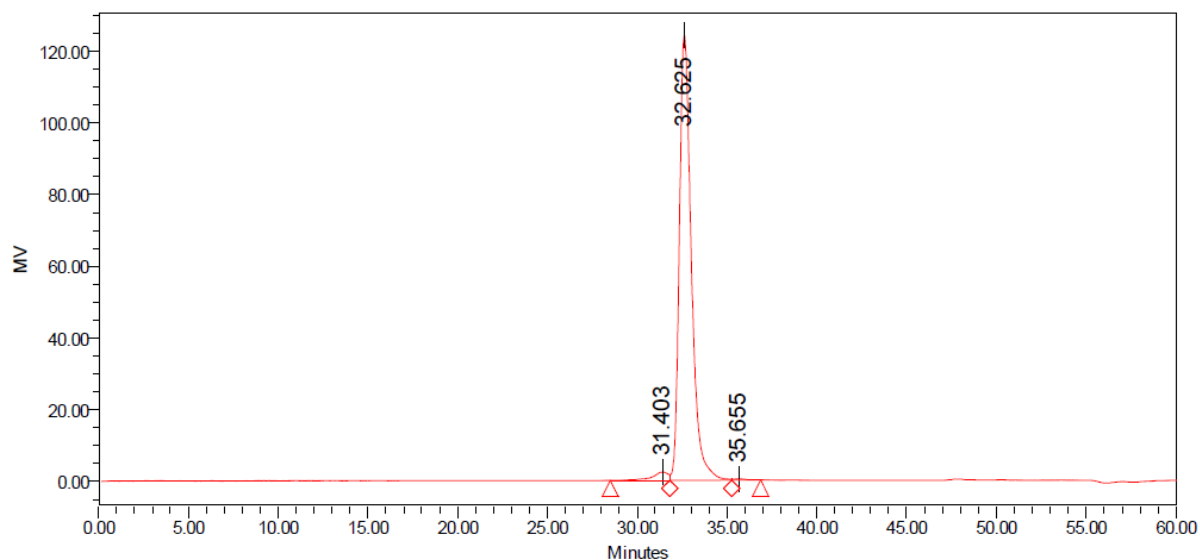
Column: 2 x Tosoh TSK-GEL G2500 PWXL (7.8 x 300 mm) plus guard column (7.8 x 35mm)

Temperature: 80°C

Mobile phase: 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	31.403	143868	2.44	2344
2	410	32.625	5745640	97.25	124094
3	410	35.655	18526	0.31	382

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
18	0	100
19	100	0
30	100	0

