

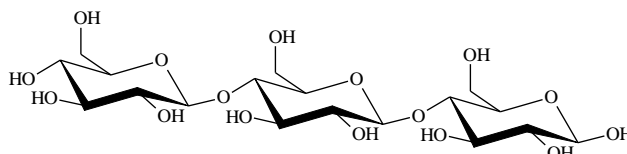


CELLOTRIOSE (Lot 171003)

O-CTR-100MG

12/17

MW: 504.44
CAS: 33404-34-1



PREPARATION:

Prepared by controlled acid hydrolysis of cellulose acetate.

PURITY: > 98% (HPLC)

HPLC:

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

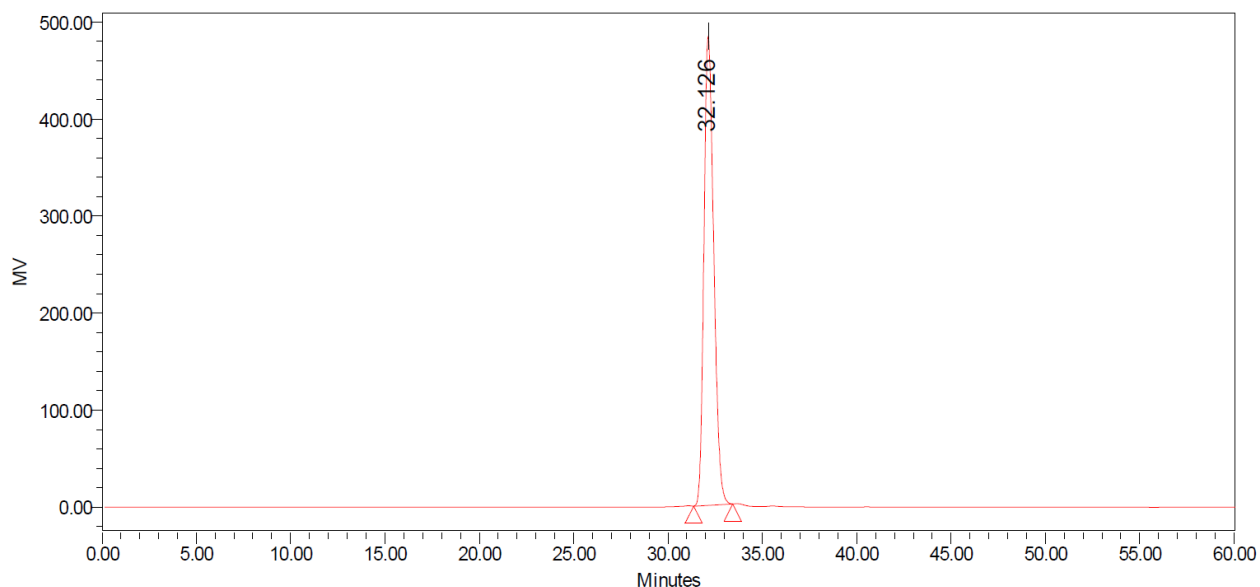
Temperature: 80°C

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

Auto-Scaled Chromatogram



Processed Channel: 410

	Processed Channel	Retention Time (min)	Area	% Area	Height
1	410	32.126	17447324	100.00	483636

HPAEC-PAD:

Column: CarboPac PA200 guard and analytical columns (3 x 250 mm)

Temperature: 20°C

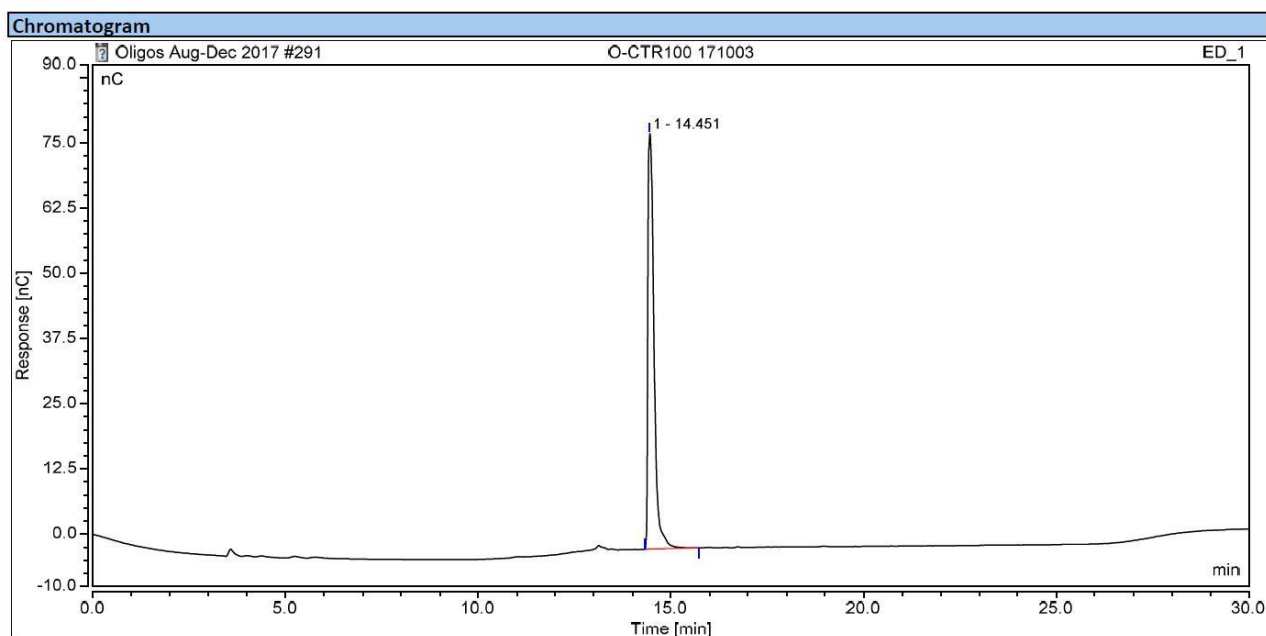
Detector: Au electrode; waveform Carbohydrate, standard quad

Flow rate: 0.4 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 (%)
0	100	0
4	100	0
5	80	20
8	65	35
21	50	50
23	0	100
26	0	100
27	100	0
30	100	0

**TLC:** n -Propanol:Nitromethane:H₂O = 5:2:3 (run once) on Merck TLC Silicagel 60F₂₅₄