Megazyme Building 1,
Bray Business Park,
Bray, Co. Wicklow,
A98 YV29,
Ireland.
Tel: + 353 1 2861220 Fax: + 353 1 2861264

# Certificate of Analysis

**Product:** $3^3$-α-L-Arabinofuranosyl-xylotetraose
**Cat. No:** O-XA3XX
**Lot. No:** 181005
**Expiry Date:** N/A

**Parameters:**

| Purity By | Specification | Result |
|---|---|---|
| HPLC | >95% | 99.1% |

This lot meets our specification.

**Signature:** Jennifer Larkin **Date:** 07.Dec.2018

Jennifer Larkin
Senior Scientist

(*as this certificate is a computer printout, it has not been signed or dated by hand*)

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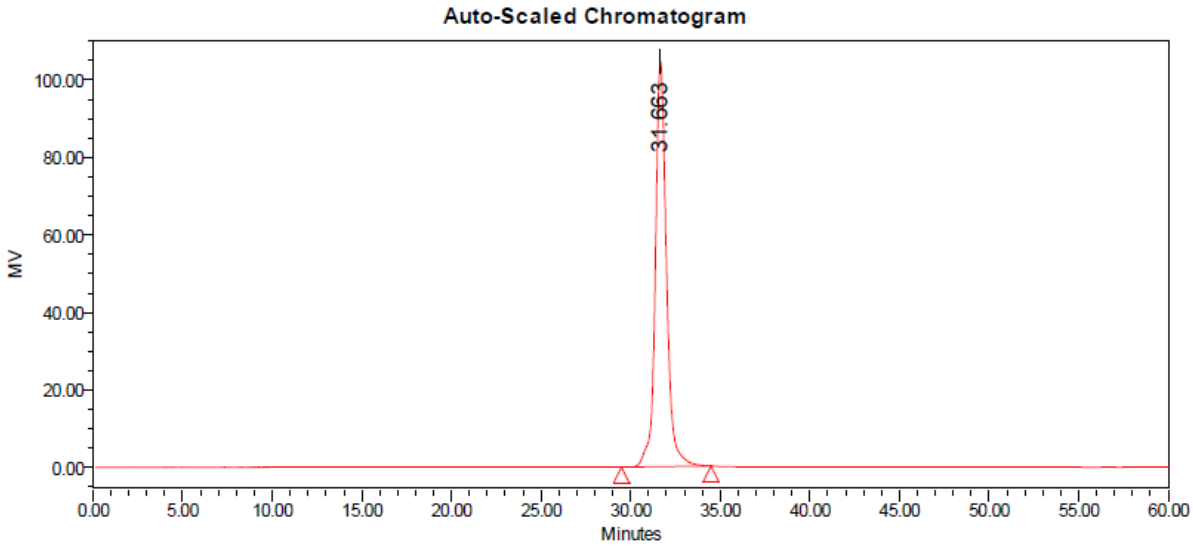
**HPLC:**

Product: O-XA3XX, Lot 181005

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

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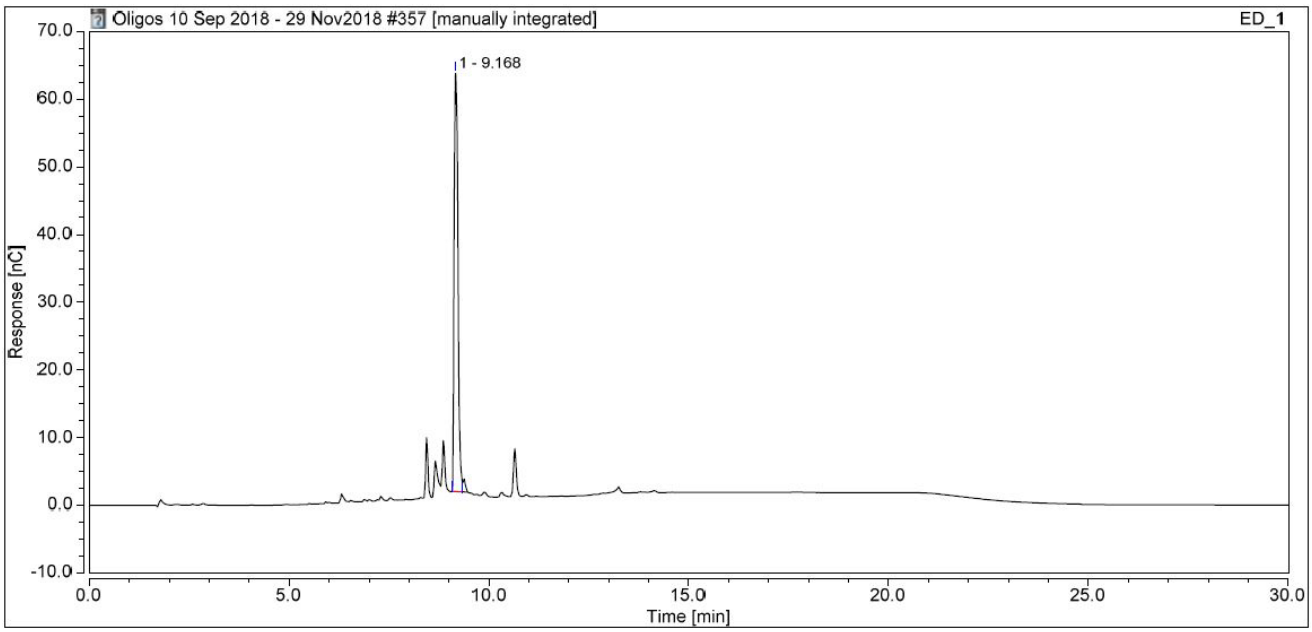
**HPAEC-PAD:**
Product: O-XA3XX, Lot 181005

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 100 mM NaOH (%) |
|---|---|---|
| 0 | 100 | 0 |
| 5 | 55 | 45 |
| 9 | 30 | 70 |
| 10 | 0 | 100 |
| 18 | 0 | 100 |
| 19 | 100 | 0 |
| 30 | 100 | 0 |

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