CELLOHEXAOSE (Lot 151001b)

O-CHE

CAS: 2478-35-5
Molecular Formula: C_{36}H_{62}O_{31}
MW 990.86

PURITY: > 95%

HPLC:
Column: Waters SugarPak I (6.5 x 300 mm)
Temperature: 90°C
Mobile phase: dH_{2}O with disodium calcium EDTA (50 mg/L) [Sigma Cat No. ED2SC]
Flow rate: 0.5 mL/min
HPLC system: Waters Breeze system, Waters 2410 RI detector and Empower v 2 software

Peak Results

<table>
<thead>
<tr>
<th>Name</th>
<th>RT</th>
<th>Area</th>
<th>% Area</th>
<th>Height</th>
<th>% Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4.781</td>
<td>19206</td>
<td>0.73</td>
<td>1041</td>
<td>0.68</td>
</tr>
<tr>
<td>2</td>
<td>5.502</td>
<td>2627474</td>
<td>99.27</td>
<td>151493</td>
<td>99.32</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Time (min)</th>
<th>100 mM NaOH (%)</th>
<th>120mM NaOAc in 100 mM NaOH (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>4</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>5</td>
<td>80</td>
<td>20</td>
</tr>
<tr>
<td>8</td>
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<td>35</td>
</tr>
<tr>
<td>21</td>
<td>50</td>
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<tr>
<td>23</td>
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<tr>
<td>26</td>
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<tr>
<td>27</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>30</td>
<td>100</td>
<td>0</td>
</tr>
</tbody>
</table>

![Graph showing chromatogram data](image)