http://waikato.researchgateway.ac.nz/

Research Commons at the University of Waikato

Copyright Statement:

The digital copy of this thesis is protected by the Copyright Act 1994 (New Zealand).

The thesis may be consulted by you, provided you comply with the provisions of the Act and the following conditions of use:

- Any use you make of these documents or images must be for research or private study purposes only, and you may not make them available to any other person.
- Authors control the copyright of their thesis. You will recognise the author’s right to be identified as the author of the thesis, and due acknowledgement will be made to the author where appropriate.
- You will obtain the author’s permission before publishing any material from the thesis.
Development of a Method for the Quantitative Detection of Honey in Imported Products.

A thesis
submitted in partial fulfilment
of the requirements for the degree
of

Master of Science in Chemistry

at

The University of Waikato

by

Mérine Dumté

The University of Waikato
2010
10.2 APPENDIX B: Supplementary Data.

109 Reproducibility Samples
<table>
<thead>
<tr>
<th>109#1</th>
<th>Wt(s) (mg)</th>
<th>14.02</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Wt(Xyl) (mg)</td>
<td>0.09983</td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.902</td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.308</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.697</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.867</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.282</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.944</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.131</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.398</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.576</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.987</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.559</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.831</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.189</td>
</tr>
<tr>
<td>L</td>
<td>Palatinose2+Isomaltose</td>
<td>41.504</td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>51.819</td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td>52.049</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.773</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.355</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.046</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.592</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>60.748</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>109#2</th>
<th>Wt(s) (mg)</th>
<th>16.45</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Wt(Xyl) (mg)</td>
<td>0.09988</td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.934</td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.334</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.69</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.871</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.272</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.936</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.142</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.385</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.574</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.958</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.564</td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
</tr>
<tr>
<td>------</td>
<td>------------------------</td>
<td>------------</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.886</td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.294</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.691</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.861</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.285</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.954</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.142</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.397</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.584</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.978</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.566</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.823</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.18</td>
</tr>
<tr>
<td>L</td>
<td>Palatinose2+Isomaltose</td>
<td>41.494</td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>51.813</td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td>52.04</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.758</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.344</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.027</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.58</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>60.698</td>
</tr>
</tbody>
</table>

### 109#4

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%(o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.438</td>
<td>1262.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>14.314</td>
<td>43860.2</td>
<td>1.924</td>
<td>0.97</td>
<td>8.46</td>
<td>55.14</td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td>14.624</td>
<td>59330.4</td>
<td>1.966</td>
<td>0.76</td>
<td>0.00</td>
<td>0.03</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.306</td>
<td>44.7</td>
<td>4.612</td>
<td>0.76</td>
<td>0.00</td>
<td>0.03</td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
<td>% (o)</td>
</tr>
<tr>
<td>------</td>
<td>-------</td>
<td>------------</td>
<td>-------</td>
<td>------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.421</td>
<td>653.2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>13.494</td>
<td>2760.2</td>
<td>1.818</td>
<td>0.97</td>
<td>9.775</td>
<td>57.500</td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td>13.951</td>
<td>5481.2</td>
<td>1.880</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td>14.389</td>
<td>36709</td>
<td>1.939</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td>14.511</td>
<td>16769.6</td>
<td>1.955</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.299</td>
<td>52.5</td>
<td>4.622</td>
<td>0.76</td>
<td>0.011</td>
<td>0.062</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.539</td>
<td>312.2</td>
<td>4.912</td>
<td>0.92</td>
<td>0.03</td>
<td>0.17</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>37.9</td>
<td>608.4</td>
<td>5.095</td>
<td>0.72</td>
<td>0.07</td>
<td>0.44</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.567</td>
<td>473</td>
<td>5.185</td>
<td>0.80</td>
<td>0.05</td>
<td>0.30</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>38.742</td>
<td>2805</td>
<td>5.209</td>
<td>0.80</td>
<td>0.28</td>
<td>1.81</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>38.984</td>
<td>1599.5</td>
<td>5.241</td>
<td>0.80</td>
<td>0.16</td>
<td>1.03</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.174</td>
<td>2733.2</td>
<td>5.267</td>
<td>0.80</td>
<td>0.27</td>
<td>1.76</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.583</td>
<td>1338.1</td>
<td>5.322</td>
<td>1.43</td>
<td>0.07</td>
<td>0.48</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.195</td>
<td>349.3</td>
<td>5.404</td>
<td>0.44</td>
<td>0.06</td>
<td>0.41</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.458</td>
<td>212.3</td>
<td>5.439</td>
<td>0.52</td>
<td>0.03</td>
<td>0.21</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>40.785</td>
<td>273.2</td>
<td>5.483</td>
<td>0.68</td>
<td>0.09</td>
<td>0.62</td>
</tr>
<tr>
<td>L</td>
<td>Palatinose2+Isomaltose</td>
<td>41.103</td>
<td>798.7</td>
<td>5.526</td>
<td>0.46</td>
<td>0.04</td>
<td>0.29</td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>51.248</td>
<td>5.2</td>
<td>6.954</td>
<td>0.44</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td>51.723</td>
<td>38</td>
<td>6.954</td>
<td>0.44</td>
<td>0.01</td>
<td>0.04</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.408</td>
<td>16.8</td>
<td>7.046</td>
<td>0.55</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>52.978</td>
<td>20.2</td>
<td>7.123</td>
<td>0.55</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.653</td>
<td>59.2</td>
<td>7.617</td>
<td>0.55</td>
<td>0.01</td>
<td>0.09</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.151</td>
<td>99.5</td>
<td>7.953</td>
<td>0.55</td>
<td>0.01</td>
<td>0.09</td>
</tr>
<tr>
<td></td>
<td><strong>IS</strong></td>
<td>310.1</td>
<td>2703.1</td>
<td>5.358</td>
<td>1.43</td>
<td>0.06</td>
<td>0.35</td>
</tr>
<tr>
<td></td>
<td><strong>B</strong></td>
<td>36.539</td>
<td>312.2</td>
<td>4.912</td>
<td>0.92</td>
<td>0.03</td>
<td>0.17</td>
</tr>
<tr>
<td></td>
<td><strong>C</strong></td>
<td>37.9</td>
<td>608.4</td>
<td>5.095</td>
<td>0.72</td>
<td>0.07</td>
<td>0.44</td>
</tr>
<tr>
<td></td>
<td><strong>D</strong></td>
<td>38.567</td>
<td>473</td>
<td>5.185</td>
<td>0.80</td>
<td>0.05</td>
<td>0.30</td>
</tr>
<tr>
<td></td>
<td><strong>E</strong></td>
<td>38.742</td>
<td>2805</td>
<td>5.209</td>
<td>0.80</td>
<td>0.28</td>
<td>1.81</td>
</tr>
<tr>
<td></td>
<td><strong>F</strong></td>
<td>38.984</td>
<td>1599.5</td>
<td>5.241</td>
<td>0.80</td>
<td>0.16</td>
<td>1.03</td>
</tr>
<tr>
<td></td>
<td><strong>G</strong></td>
<td>39.174</td>
<td>2733.2</td>
<td>5.267</td>
<td>0.80</td>
<td>0.27</td>
<td>1.76</td>
</tr>
<tr>
<td></td>
<td><strong>H</strong></td>
<td>39.583</td>
<td>1338.1</td>
<td>5.322</td>
<td>1.43</td>
<td>0.07</td>
<td>0.48</td>
</tr>
<tr>
<td></td>
<td><strong>I</strong></td>
<td>40.195</td>
<td>349.3</td>
<td>5.404</td>
<td>0.44</td>
<td>0.06</td>
<td>0.41</td>
</tr>
<tr>
<td></td>
<td><strong>J</strong></td>
<td>40.458</td>
<td>212.3</td>
<td>5.439</td>
<td>0.52</td>
<td>0.03</td>
<td>0.21</td>
</tr>
<tr>
<td></td>
<td><strong>K</strong></td>
<td>40.785</td>
<td>273.2</td>
<td>5.483</td>
<td>0.68</td>
<td>0.09</td>
<td>0.62</td>
</tr>
<tr>
<td></td>
<td><strong>L</strong></td>
<td>41.103</td>
<td>798.7</td>
<td>5.526</td>
<td>0.46</td>
<td>0.04</td>
<td>0.29</td>
</tr>
<tr>
<td></td>
<td><strong>M</strong></td>
<td>51.248</td>
<td>5.2</td>
<td>6.954</td>
<td>0.44</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td><strong>N</strong></td>
<td>51.723</td>
<td>38</td>
<td>6.954</td>
<td>0.44</td>
<td>0.01</td>
<td>0.04</td>
</tr>
<tr>
<td></td>
<td><strong>O</strong></td>
<td>52.408</td>
<td>16.8</td>
<td>7.046</td>
<td>0.55</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td></td>
<td><strong>P</strong></td>
<td>52.978</td>
<td>20.2</td>
<td>7.123</td>
<td>0.56</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td></td>
<td><strong>Q</strong></td>
<td>56.653</td>
<td>59.2</td>
<td>7.617</td>
<td>0.55</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td></td>
<td><strong>R</strong></td>
<td>59.151</td>
<td>99.5</td>
<td>7.953</td>
<td>0.55</td>
<td>0.01</td>
<td>0.09</td>
</tr>
</tbody>
</table>

**Wt(s) (mg)**: 17.00
**Wt(xyl) (mg)**: 0.09983
<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%(o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.444</td>
<td>1656.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>14.558</td>
<td>93097</td>
<td>1.956</td>
<td>0.97</td>
<td>10.01</td>
<td>65.77</td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td>14.791</td>
<td>67221.2</td>
<td>1.987</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.296</td>
<td>44.4</td>
<td>4.607</td>
<td>0.76</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.513</td>
<td>116.7</td>
<td>4.905</td>
<td>0.92</td>
<td>0.01</td>
<td>0.05</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>37.888</td>
<td>758.5</td>
<td>5.090</td>
<td>0.72</td>
<td>0.06</td>
<td>0.42</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.534</td>
<td>418.3</td>
<td>5.177</td>
<td>0.80</td>
<td>0.03</td>
<td>0.21</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>38.746</td>
<td>1815.2</td>
<td>5.205</td>
<td>0.80</td>
<td>0.21</td>
<td>1.39</td>
</tr>
<tr>
<td></td>
<td>Nigerose+Turanose1</td>
<td>38.765</td>
<td>990.4</td>
<td>5.208</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>38.997</td>
<td>1599</td>
<td>5.239</td>
<td>0.80</td>
<td>0.12</td>
<td>0.79</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.193</td>
<td>3436.1</td>
<td>5.265</td>
<td>0.80</td>
<td>0.26</td>
<td>1.70</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.575</td>
<td>1804.6</td>
<td>5.316</td>
<td>1.43</td>
<td>0.08</td>
<td>0.50</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.177</td>
<td>566</td>
<td>5.397</td>
<td>0.44</td>
<td>0.08</td>
<td>0.51</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.452</td>
<td>373.4</td>
<td>5.434</td>
<td>0.52</td>
<td>0.04</td>
<td>0.28</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>40.782</td>
<td>480.9</td>
<td>5.479</td>
<td>0.68</td>
<td>0.13</td>
<td>0.83</td>
</tr>
<tr>
<td>L</td>
<td>Palatinose2+Isomaltose</td>
<td>41.11</td>
<td>1559.4</td>
<td>5.523</td>
<td>0.46</td>
<td>0.08</td>
<td>0.52</td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td>51.717</td>
<td>37.5</td>
<td>6.947</td>
<td>0.44</td>
<td>0.01</td>
<td>0.03</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.434</td>
<td>17.1</td>
<td>7.044</td>
<td>0.55</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>52.989</td>
<td>11.7</td>
<td>7.118</td>
<td>0.56</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.658</td>
<td>110</td>
<td>7.611</td>
<td>0.55</td>
<td>0.01</td>
<td>0.08</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.173</td>
<td>199.3</td>
<td>7.949</td>
<td>0.55</td>
<td>0.02</td>
<td>0.14</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>60.337</td>
<td>22.3</td>
<td>8.105</td>
<td>0.56</td>
<td>0.00</td>
<td>0.02</td>
</tr>
</tbody>
</table>

### 109#10

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%(o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.443</td>
<td>1714.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>14.488</td>
<td>78679.8</td>
<td>1.947</td>
<td>0.97</td>
<td>9.74</td>
<td>66.47</td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td>14.825</td>
<td>82476.1</td>
<td>1.992</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.299</td>
<td>41.3</td>
<td>4.608</td>
<td>0.76</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.482</td>
<td>70.6</td>
<td>4.902</td>
<td>0.92</td>
<td>0.00</td>
<td>0.03</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>37.899</td>
<td>734.2</td>
<td>5.092</td>
<td>0.72</td>
<td>0.06</td>
<td>0.41</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.534</td>
<td>608</td>
<td>5.177</td>
<td>0.80</td>
<td>0.04</td>
<td>0.30</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>38.749</td>
<td>2470.3</td>
<td>5.206</td>
<td>0.80</td>
<td>0.18</td>
<td>1.23</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>38.985</td>
<td>1504.8</td>
<td>5.238</td>
<td>0.80</td>
<td>0.11</td>
<td>0.75</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.184</td>
<td>3360.6</td>
<td>5.265</td>
<td>0.80</td>
<td>0.24</td>
<td>1.67</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.568</td>
<td>1782.7</td>
<td>5.316</td>
<td>1.43</td>
<td>0.07</td>
<td>0.50</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.173</td>
<td>559.7</td>
<td>5.397</td>
<td>0.44</td>
<td>0.07</td>
<td>0.51</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.465</td>
<td>371.6</td>
<td>5.437</td>
<td>0.52</td>
<td>0.04</td>
<td>0.28</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>40.784</td>
<td>452.1</td>
<td>5.480</td>
<td>0.68</td>
<td>0.12</td>
<td>0.79</td>
</tr>
<tr>
<td>L</td>
<td>Palatinose2+Isomaltose</td>
<td>41.101</td>
<td>1620.8</td>
<td>5.522</td>
<td>0.46</td>
<td>0.09</td>
<td>0.63</td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>51.281</td>
<td>6.7</td>
<td>6.890</td>
<td>0.65</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td>51.741</td>
<td>46.7</td>
<td>6.952</td>
<td>0.44</td>
<td>0.01</td>
<td>0.04</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.449</td>
<td>28.1</td>
<td>7.047</td>
<td>0.55</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>52.998</td>
<td>21.9</td>
<td>7.121</td>
<td>0.56</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.683</td>
<td>101.2</td>
<td>7.616</td>
<td>0.55</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.186</td>
<td>206.2</td>
<td>7.952</td>
<td>0.55</td>
<td>0.02</td>
<td>0.15</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>60.405</td>
<td>20.7</td>
<td>8.116</td>
<td>0.56</td>
<td>0.00</td>
<td>0.01</td>
</tr>
</tbody>
</table>

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>109#13</td>
<td></td>
<td>Wt(s) (mg)</td>
<td>13.67</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wt(Xyl) (mg)</td>
<td>0.09983</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%o</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.643</td>
<td>1409.8</td>
<td>-</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>Monosaccharides</td>
<td>14.443</td>
<td>56752.5</td>
<td>1.890</td>
<td>0.97</td>
<td>9.26</td>
<td>67.74</td>
</tr>
<tr>
<td>IS</td>
<td>Monosaccharides</td>
<td>14.737</td>
<td>69431.9</td>
<td>1.928</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.161</td>
<td>48.1</td>
<td>4.470</td>
<td>0.76</td>
<td>0.00</td>
<td>0.03</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.374</td>
<td>236.9</td>
<td>4.759</td>
<td>0.92</td>
<td>0.02</td>
<td>0.13</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>37.758</td>
<td>625.1</td>
<td>4.940</td>
<td>0.72</td>
<td>0.06</td>
<td>0.45</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.394</td>
<td>467.4</td>
<td>5.023</td>
<td>0.80</td>
<td>0.04</td>
<td>0.30</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>38.434</td>
<td>84.3</td>
<td>5.029</td>
<td>0.80</td>
<td>0.26</td>
<td>1.92</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>38.558</td>
<td>981.3</td>
<td>5.045</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>38.593</td>
<td>1906.9</td>
<td>5.049</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>38.832</td>
<td>1721.7</td>
<td>5.081</td>
<td>0.80</td>
<td>0.15</td>
<td>1.11</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.04</td>
<td>2802.8</td>
<td>5.108</td>
<td>0.80</td>
<td>0.25</td>
<td>1.81</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.432</td>
<td>1166.5</td>
<td>5.159</td>
<td>1.43</td>
<td>0.06</td>
<td>0.42</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.03</td>
<td>375.9</td>
<td>5.237</td>
<td>0.44</td>
<td>0.06</td>
<td>0.44</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.298</td>
<td>206.9</td>
<td>5.273</td>
<td>0.52</td>
<td>0.03</td>
<td>0.21</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>40.637</td>
<td>324.7</td>
<td>5.317</td>
<td>0.68</td>
<td>0.10</td>
<td>0.74</td>
</tr>
<tr>
<td>L</td>
<td>Palatinose2+Isomaltose</td>
<td>40.948</td>
<td>972.3</td>
<td>5.358</td>
<td>0.46</td>
<td>0.05</td>
<td>0.37</td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>51.325</td>
<td>14</td>
<td>6.715</td>
<td>0.65</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td>51.531</td>
<td>49.6</td>
<td>6.742</td>
<td>0.44</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.241</td>
<td>22.3</td>
<td>6.835</td>
<td>0.55</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>52.797</td>
<td>17.4</td>
<td>6.908</td>
<td>0.56</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.459</td>
<td>79.3</td>
<td>7.387</td>
<td>0.55</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>58.92</td>
<td>205</td>
<td>7.709</td>
<td>0.55</td>
<td>0.03</td>
<td>0.19</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>60.025</td>
<td>20.7</td>
<td>7.854</td>
<td>0.56</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>T</td>
<td>Maltotetraose?</td>
<td>74.788</td>
<td>26.9</td>
<td>9.785</td>
<td>ND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
<td>%(o)</td>
</tr>
<tr>
<td>------</td>
<td>----------------------</td>
<td>------------</td>
<td>--------</td>
<td>------</td>
<td>-------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.556</td>
<td>1289.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>13.623</td>
<td>391.1</td>
<td>1.803</td>
<td>0.97</td>
<td>8.33</td>
<td>62.42</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.163</td>
<td>4.521</td>
<td>0.76</td>
<td>0.00</td>
<td>0.03</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.348</td>
<td>4.810</td>
<td>0.92</td>
<td>0.02</td>
<td>0.13</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>37.749</td>
<td>4.996</td>
<td>0.72</td>
<td>0.06</td>
<td>0.43</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.451</td>
<td>5.089</td>
<td>0.80</td>
<td>0.06</td>
<td>0.45</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>38.58</td>
<td>5.106</td>
<td>0.80</td>
<td>0.27</td>
<td>1.99</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>38.838</td>
<td>5.140</td>
<td>0.80</td>
<td>0.18</td>
<td>1.33</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.023</td>
<td>5.165</td>
<td>0.80</td>
<td>0.26</td>
<td>1.93</td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.421</td>
<td>5.217</td>
<td>1.43</td>
<td>0.06</td>
<td>0.45</td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.026</td>
<td>5.297</td>
<td>0.44</td>
<td>0.06</td>
<td>0.49</td>
<td></td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.294</td>
<td>5.333</td>
<td>0.52</td>
<td>0.03</td>
<td>0.21</td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>40.622</td>
<td>5.376</td>
<td>0.68</td>
<td>0.10</td>
<td>0.74</td>
<td></td>
</tr>
<tr>
<td>L</td>
<td>Palatinose2+Isomaltose</td>
<td>40.938</td>
<td>5.418</td>
<td>0.46</td>
<td>0.04</td>
<td>0.29</td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>51.306</td>
<td>6.790</td>
<td>0.65</td>
<td>0.00</td>
<td>0.01</td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td>51.515</td>
<td>6.818</td>
<td>0.44</td>
<td>0.01</td>
<td>0.06</td>
<td></td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.226</td>
<td>6.912</td>
<td>0.55</td>
<td>0.00</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>52.792</td>
<td>6.987</td>
<td>0.56</td>
<td>0.00</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.451</td>
<td>7.471</td>
<td>0.55</td>
<td>0.01</td>
<td>0.09</td>
<td></td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>58.895</td>
<td>7.794</td>
<td>0.55</td>
<td>0.02</td>
<td>0.14</td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>59.996</td>
<td>7.940</td>
<td>0.56</td>
<td>0.00</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td>T</td>
<td>Maltotetraose?</td>
<td>74.712</td>
<td>9.888</td>
<td>ND</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ND = Not determined
Sucrose Repeat Standards

Raw data in Table 19.

RF of Standards Data.

<table>
<thead>
<tr>
<th>GlucoseRF#1</th>
<th>#</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>8.087</td>
<td>91.1</td>
<td>21.3</td>
<td>0.0711</td>
<td>50.879</td>
<td>1.01</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>14.815</td>
<td>87.9</td>
<td>16.5</td>
<td>0.0888</td>
<td>49.121</td>
<td>0.897</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GlucoseRF#2</th>
<th>#</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>8.075</td>
<td>155</td>
<td>36.2</td>
<td>0.0713</td>
<td>69.231</td>
<td>0.827</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>14.813</td>
<td>68.9</td>
<td>13.2</td>
<td>0.0626</td>
<td>30.769</td>
<td>0.979</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GlucoseRF#3</th>
<th>#</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>8.086</td>
<td>444.8</td>
<td>103.5</td>
<td>0.0554</td>
<td>84.895</td>
<td>0.945</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>14.811</td>
<td>79.1</td>
<td>14.9</td>
<td>0.0883</td>
<td>15.105</td>
<td>0.897</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Weight glucose (mg)</th>
<th>Net weight glucose (mg)</th>
<th>Weight xylitol (mg)</th>
<th>Area Glucose</th>
<th>Area Xylitol</th>
<th>X (Wt Gluc/Wt Xyl)</th>
<th>Y (Area Malto/Area Xyl)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>GlucoseRF#1</td>
<td>1.00</td>
<td>1.00</td>
<td>1.00</td>
<td>87.9</td>
<td>91.1</td>
<td>1.00</td>
<td>0.965</td>
</tr>
<tr>
<td>GlucoseRF#2</td>
<td>0.50</td>
<td>0.50</td>
<td>1.00</td>
<td>68.9</td>
<td>155</td>
<td>0.50</td>
<td>0.445</td>
</tr>
<tr>
<td>GlucoseRF#3</td>
<td>0.20</td>
<td>0.20</td>
<td>1.00</td>
<td>79.1</td>
<td>444.8</td>
<td>0.20</td>
<td>0.178</td>
</tr>
</tbody>
</table>
### FructoseRF#1

<table>
<thead>
<tr>
<th></th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7.594</td>
<td>2699.4</td>
<td>452.9</td>
<td>0.075</td>
<td>4.796</td>
<td>1.046</td>
</tr>
<tr>
<td>2</td>
<td>14.153</td>
<td>23369.2</td>
<td>1446.3</td>
<td>0.2693</td>
<td>41.521</td>
<td>4.492</td>
</tr>
<tr>
<td>3</td>
<td>14.437</td>
<td>29848.3</td>
<td>2568.7</td>
<td>0.1937</td>
<td>53.032</td>
<td>5.479</td>
</tr>
</tbody>
</table>

### FructoseRF#2

<table>
<thead>
<tr>
<th></th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7.557</td>
<td>2334.1</td>
<td>424.2</td>
<td>0.0719</td>
<td>7.508</td>
<td>1.19</td>
</tr>
<tr>
<td>2</td>
<td>13.962</td>
<td>11569.6</td>
<td>840</td>
<td>0.2296</td>
<td>37.214</td>
<td>1.988</td>
</tr>
<tr>
<td>3</td>
<td>14.276</td>
<td>17185.6</td>
<td>1751</td>
<td>0.1636</td>
<td>55.278</td>
<td>5.051</td>
</tr>
</tbody>
</table>

### FructoseRF#3

<table>
<thead>
<tr>
<th></th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7.635</td>
<td>1697.8</td>
<td>306.5</td>
<td>0.0923</td>
<td>12.07</td>
<td>0.963</td>
</tr>
<tr>
<td>2</td>
<td>13.945</td>
<td>4960.2</td>
<td>578.2</td>
<td>0.143</td>
<td>35.264</td>
<td>1.662</td>
</tr>
<tr>
<td>3</td>
<td>14.219</td>
<td>7407.9</td>
<td>1010.9</td>
<td>0.1221</td>
<td>52.666</td>
<td>3.407</td>
</tr>
</tbody>
</table>

### Sample ID

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Weight fructose (mg)</th>
<th>Net weight fructose (mg)</th>
<th>Weight xylitol (mg)</th>
<th>Area Fructose</th>
<th>Area Xylitol</th>
<th>X (Wt Fruc/Wt Xyl)</th>
<th>Y (Area Fruc/Area Xyl)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>FructoseRF#1</td>
<td>2.148</td>
<td>2.148</td>
<td>0.09983</td>
<td>53217.5</td>
<td>2699.4</td>
<td>21.5165782</td>
<td>19.71457</td>
</tr>
<tr>
<td>FructoseRF#2</td>
<td>1.074</td>
<td>1.074</td>
<td>0.09988</td>
<td>28755.2</td>
<td>2334.1</td>
<td>10.7529035</td>
<td>12.31961</td>
</tr>
<tr>
<td>FructoseRF#3</td>
<td>0.537</td>
<td>0.537</td>
<td>0.09995</td>
<td>12368.1</td>
<td>1697.8</td>
<td>5.37268634</td>
<td>7.28478</td>
</tr>
</tbody>
</table>

### CellobioseRF#1

<table>
<thead>
<tr>
<th></th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
<th>Purity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7.538</td>
<td>2787.9</td>
<td>464.4</td>
<td>0.0728</td>
<td>11.52</td>
<td>5</td>
<td>Xylitol</td>
</tr>
<tr>
<td>2</td>
<td>33.972</td>
<td>36.4</td>
<td>5.6</td>
<td>0.1081</td>
<td>0.15</td>
<td>0.687</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>34.154</td>
<td>8.1</td>
<td>1.6</td>
<td>0.0835</td>
<td>0.034</td>
<td>0.508</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>35.114</td>
<td>98.8</td>
<td>9.1</td>
<td>0.1816</td>
<td>0.409</td>
<td>0.511</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>35.473</td>
<td>32</td>
<td>3.6</td>
<td>0.1467</td>
<td>0.132</td>
<td>1.005</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>36.787</td>
<td>729.8</td>
<td>77.3</td>
<td>0.1573</td>
<td>3.017</td>
<td>0.545</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>37.124</td>
<td>76.7</td>
<td>4.4</td>
<td>0.2875</td>
<td>0.317</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>38.007</td>
<td>18784.7</td>
<td>1623.3</td>
<td>0.1929</td>
<td>77.65</td>
<td>0.0957</td>
<td>Cello</td>
</tr>
<tr>
<td>9</td>
<td>38.112</td>
<td>1636.4</td>
<td>82.7</td>
<td>0.3298</td>
<td>6.764</td>
<td>0.0833</td>
<td></td>
</tr>
</tbody>
</table>

### CellobioseRF#2

<table>
<thead>
<tr>
<th></th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
<th>Purity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7.526</td>
<td>2778.8</td>
<td>486.4</td>
<td>0.0952</td>
<td>20.705</td>
<td>1.188</td>
<td>Xylitol</td>
</tr>
<tr>
<td></td>
<td>Time</td>
<td>Area</td>
<td>Height</td>
<td>Width</td>
<td>Area%</td>
<td>Symmetry</td>
<td></td>
</tr>
<tr>
<td>----</td>
<td>-------</td>
<td>---------</td>
<td>--------</td>
<td>--------</td>
<td>-------</td>
<td>----------</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>7.666</td>
<td>3256.3</td>
<td>597.7</td>
<td>0.0908</td>
<td>52.299</td>
<td>1.207</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>35.182</td>
<td>131.6</td>
<td>8.5</td>
<td>0.2576</td>
<td>2.113</td>
<td>0.348</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>35.52</td>
<td>79.3</td>
<td>4.3</td>
<td>0.3041</td>
<td>1.274</td>
<td>0.203</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>36.853</td>
<td>282.6</td>
<td>11.9</td>
<td>0.3961</td>
<td>4.539</td>
<td>0.215</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>37.805</td>
<td>2476.5</td>
<td>192.1</td>
<td>0.2148</td>
<td>39.775</td>
<td>0.592</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Weight cellobiose (mg)</th>
<th>Net weight cellobiose (mg)</th>
<th>Weight xylitol (mg)</th>
<th>Area Cellobiose</th>
<th>Area Xylitol</th>
<th>X (Wt Cel/ Wt Xyl)</th>
<th>Y (Area Cel/ Area Xyl)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Cellobiose1</td>
<td>0.993</td>
<td>0.87384</td>
<td>0.099 83</td>
<td>18784.7</td>
<td>2787.9</td>
<td>8.75328</td>
<td>1</td>
</tr>
<tr>
<td>Cellobiose2</td>
<td>0.4965</td>
<td>0.43692</td>
<td>0.099 88</td>
<td>6412.9</td>
<td>2778.8</td>
<td>4.37444</td>
<td>2.307795</td>
</tr>
<tr>
<td>Cellobiose3</td>
<td>0.1488755</td>
<td>0.131010495</td>
<td>0.099 95</td>
<td>2476.5</td>
<td>3256.3</td>
<td>1.31076</td>
<td>0.760526</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GentiobioseRF</th>
<th>#</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
<th>Purity</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1</td>
<td>1</td>
<td>7.655</td>
<td>2179.7</td>
<td>407.5</td>
<td>0.0654</td>
<td>26.37</td>
<td>1.257</td>
<td>Xyl</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>38.075</td>
<td>90.4</td>
<td>8.1</td>
<td>0.1867</td>
<td>1.093</td>
<td>0.392</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>38.813</td>
<td>222.3</td>
<td>17.5</td>
<td>0.2113</td>
<td>2.689</td>
<td>0.375</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>39.258</td>
<td>27.7</td>
<td>2.6</td>
<td>0.1797</td>
<td>0.335</td>
<td>0.104</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>40.804</td>
<td>5301.6</td>
<td>672.7</td>
<td>0.1314</td>
<td>64.138</td>
<td>1.484</td>
<td>Gentio</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>41.273</td>
<td>444.2</td>
<td>20.8</td>
<td>0.3554</td>
<td>5.374</td>
<td>0.628</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GentiobioseRF</th>
<th>#</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
<th>Purity</th>
</tr>
</thead>
<tbody>
<tr>
<td>#2</td>
<td>1</td>
<td>7.648</td>
<td>2152.1</td>
<td>396</td>
<td>0.0707</td>
<td>60.002</td>
<td>1.304</td>
<td>Xyl</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>38.171</td>
<td>24.1</td>
<td>1.8</td>
<td>0.2207</td>
<td>0.672</td>
<td>0.707</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>38.607</td>
<td>6.8</td>
<td>1.4</td>
<td>0.0801</td>
<td>0.189</td>
<td>2.607</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>38.912</td>
<td>32.9</td>
<td>3.3</td>
<td>0.1665</td>
<td>0.916</td>
<td>1.021</td>
<td></td>
</tr>
<tr>
<td>Sample ID</td>
<td>Weight gentiobiose (mg)</td>
<td>Net weight gentiobiose (mg)</td>
<td>Weight xylitol (mg)</td>
<td>Area Gentiobiose</td>
<td>Area Xylitol</td>
<td>X (Wt Gent/Wt Xyl)</td>
<td>Y (Area Gent/Area Xyl)</td>
<td></td>
</tr>
<tr>
<td>-----------</td>
<td>-------------------------</td>
<td>-----------------------------</td>
<td>---------------------</td>
<td>-----------------</td>
<td>-------------</td>
<td>-------------------</td>
<td>------------------------</td>
<td></td>
</tr>
<tr>
<td>Blank</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Gentiobiose1</td>
<td>0.4875</td>
<td>0.43875</td>
<td>0.0998 3</td>
<td>5301.6</td>
<td>2179.7</td>
<td>4.394971</td>
<td>2.4322 61</td>
<td></td>
</tr>
<tr>
<td>Gentiobiose2</td>
<td>0.195</td>
<td>0.1755</td>
<td>0.0998 8</td>
<td>1359.1</td>
<td>2152.1</td>
<td>1.757109</td>
<td>0.6315 23</td>
<td></td>
</tr>
<tr>
<td>Gentiobiose3</td>
<td>0.0975</td>
<td>0.08775</td>
<td>0.0999 5</td>
<td>490.3</td>
<td>2117.7</td>
<td>0.877939</td>
<td>0.2315 25</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
<th>Purity</th>
</tr>
</thead>
<tbody>
<tr>
<td>IsomaltoseRF #1</td>
<td>#</td>
<td>Time</td>
<td>Area</td>
<td>Height</td>
<td>Width</td>
<td>Area%</td>
<td>Symmetry</td>
</tr>
<tr>
<td>1</td>
<td>7.728</td>
<td>1421.6</td>
<td>246.8</td>
<td>0.0689</td>
<td>15.764</td>
<td>0.841</td>
<td>Xylitol</td>
</tr>
<tr>
<td>2</td>
<td>37.848</td>
<td>173.5</td>
<td>11.6</td>
<td>0.249</td>
<td>1.924</td>
<td>0.197</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>38.725</td>
<td>132.1</td>
<td>17.4</td>
<td>0.1263</td>
<td>1.465</td>
<td>1.934</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>38.917</td>
<td>484.1</td>
<td>33.5</td>
<td>0.2405</td>
<td>5.368</td>
<td>0.655</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>40.642</td>
<td>251.3</td>
<td>19.3</td>
<td>0.2172</td>
<td>2.786</td>
<td>0.421</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>41.55</td>
<td>6555.3</td>
<td>763.2</td>
<td>0.1432</td>
<td>72.693</td>
<td>1.816</td>
<td>Isomaltose</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
<th>Purity</th>
</tr>
</thead>
<tbody>
<tr>
<td>IsomaltoseRF #2</td>
<td>#</td>
<td>Time</td>
<td>Area</td>
<td>Height</td>
<td>Width</td>
<td>Area%</td>
<td>Symmetry</td>
</tr>
<tr>
<td>1</td>
<td>7.726</td>
<td>767.2</td>
<td>125</td>
<td>0.0731</td>
<td>42.66</td>
<td>0.655</td>
<td>Xylitol</td>
</tr>
<tr>
<td>2</td>
<td>38.012</td>
<td>38.5</td>
<td>2.1</td>
<td>0.3003</td>
<td>2.143</td>
<td>0.323</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>38.356</td>
<td>18.5</td>
<td>1.9</td>
<td>0.1596</td>
<td>1.028</td>
<td>0.307</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>38.801</td>
<td>21.1</td>
<td>2.7</td>
<td>0.129</td>
<td>1.176</td>
<td>0.919</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>39.015</td>
<td>77.2</td>
<td>5.6</td>
<td>0.2287</td>
<td>4.291</td>
<td>0.612</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>40.779</td>
<td>25.3</td>
<td>2</td>
<td>0.2102</td>
<td>1.405</td>
<td>0.977</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>41.545</td>
<td>850.6</td>
<td>61.9</td>
<td>0.2292</td>
<td>47.298</td>
<td>0.454</td>
<td>Isomaltose</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
</tr>
</thead>
<tbody>
<tr>
<td>IsomaltoseRF #3</td>
<td>#</td>
<td>Time</td>
<td>Area</td>
<td>Height</td>
<td>Width</td>
<td>Area%</td>
</tr>
<tr>
<td>1</td>
<td>7.74</td>
<td>1081</td>
<td>175.3</td>
<td>0.0767</td>
<td>78.746</td>
<td>0.828</td>
</tr>
<tr>
<td>Sample ID</td>
<td>Weight isomalto (mg)</td>
<td>Net weight isomalto (mg)</td>
<td>Weight xylitol (mg)</td>
<td>Area Isomalto (mg)</td>
<td>Area Xylitol</td>
<td>X (Wt Isomalto/Wt Xyl)</td>
</tr>
<tr>
<td>-----------</td>
<td>----------------------</td>
<td>-------------------------</td>
<td>---------------------</td>
<td>--------------------</td>
<td>--------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>Blank</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>IsomaltoseRF #1</td>
<td>1.042</td>
<td>0.89612</td>
<td>0.0998</td>
<td>6555.3</td>
<td>1421.6</td>
<td>8.97646</td>
</tr>
<tr>
<td>IsomaltoseRF #2</td>
<td>0.521</td>
<td>0.44806</td>
<td>0.0998</td>
<td>850.6</td>
<td>767.2</td>
<td>4.485983</td>
</tr>
<tr>
<td>IsomaltoseRF #3</td>
<td>0.1042</td>
<td>0.089612</td>
<td>0.0999</td>
<td>291.8</td>
<td>1018</td>
<td>0.896568</td>
</tr>
</tbody>
</table>

### KojibioseRF# 4

<table>
<thead>
<tr>
<th>#</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
<th>Purity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7.638</td>
<td>1112.1</td>
<td>192.5</td>
<td>0.0769</td>
<td>6.974</td>
<td>0.723</td>
<td>Xylitol 0.9</td>
</tr>
<tr>
<td>2</td>
<td>30.636</td>
<td>195.8</td>
<td>4.6</td>
<td>0.7058</td>
<td>1.228</td>
<td>0.683</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>35.004</td>
<td>402.5</td>
<td>28.2</td>
<td>0.2375</td>
<td>2.524</td>
<td>0.672</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>35.383</td>
<td>96.3</td>
<td>5</td>
<td>0.3209</td>
<td>0.604</td>
<td>0.0618</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>36.303</td>
<td>67.3</td>
<td>6.6</td>
<td>0.1707</td>
<td>0.422</td>
<td>0.55</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>37.198</td>
<td>192</td>
<td>13.7</td>
<td>0.2332</td>
<td>1.204</td>
<td>0.733</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>37.794</td>
<td>178.6</td>
<td>18.9</td>
<td>0.1576</td>
<td>1.12</td>
<td>0.503</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>38.225</td>
<td>76.3</td>
<td>4</td>
<td>0.314</td>
<td>0.478</td>
<td>0.313</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>39.602</td>
<td>13526.4</td>
<td>1212.9</td>
<td>0.1859</td>
<td>84.821</td>
<td>3.02</td>
<td>Koji</td>
</tr>
<tr>
<td>10</td>
<td>40.949</td>
<td>99.7</td>
<td>6.6</td>
<td>0.2501</td>
<td>0.625</td>
<td>0.458</td>
<td></td>
</tr>
</tbody>
</table>

### KojibioseRF# 5

<table>
<thead>
<tr>
<th>#</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
<th>Purity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7.594</td>
<td>1742.2</td>
<td>305.6</td>
<td>0.095</td>
<td>11.6</td>
<td>0.966</td>
<td>Xylitol 0.9</td>
</tr>
<tr>
<td>2</td>
<td>34.977</td>
<td>404.9</td>
<td>21</td>
<td>0.3211</td>
<td>2.696</td>
<td>0.457</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>35.472</td>
<td>129.8</td>
<td>6</td>
<td>0.3584</td>
<td>0.864</td>
<td>0.274</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>37.185</td>
<td>53.6</td>
<td>5</td>
<td>0.1804</td>
<td>0.357</td>
<td>1.201</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>37.8</td>
<td>22.1</td>
<td>3.6</td>
<td>0.1037</td>
<td>0.147</td>
<td>0.86</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>39.591</td>
<td>12586.5</td>
<td>1162.5</td>
<td>0.1804</td>
<td>83.803</td>
<td>3.188</td>
<td>Koji</td>
</tr>
<tr>
<td>7</td>
<td>40.945</td>
<td>80.1</td>
<td>7.1</td>
<td>0.1878</td>
<td>0.533</td>
<td>0.608</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Weight kojibiose (mg)</th>
<th>Net weight kojibiose (mg)</th>
<th>Weight xylitol (mg)</th>
<th>Area Kojibiose</th>
<th>Area Xylitol</th>
<th>X (Wt Koji/Wt Xyl)</th>
<th>Y (Area Koji/Area Xyl)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>KojibioseRF#4</td>
<td>0.875</td>
<td>0.7875</td>
<td>0.0998</td>
<td>13526.4</td>
<td>1112.1</td>
<td>7.88841</td>
<td>12.1629</td>
</tr>
<tr>
<td>#</td>
<td>Time</td>
<td>Area</td>
<td>Height</td>
<td>Width</td>
<td>Area%</td>
<td>Symmetry</td>
<td>Purity</td>
</tr>
<tr>
<td>--------</td>
<td>------</td>
<td>------</td>
<td>--------</td>
<td>-------</td>
<td>--------</td>
<td>----------</td>
<td>--------</td>
</tr>
<tr>
<td>1</td>
<td>8.087</td>
<td>856</td>
<td>194.5</td>
<td>0.0571</td>
<td>57.591</td>
<td>1.288</td>
<td>Xylitol 0.8</td>
</tr>
<tr>
<td>2</td>
<td>35.971</td>
<td>3.8</td>
<td>0.6</td>
<td>0.1054</td>
<td>0.255</td>
<td>1.174</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>36.168</td>
<td>30.4</td>
<td>3.8</td>
<td>0.1325</td>
<td>2.043</td>
<td>0.887</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>37.191</td>
<td>3.4</td>
<td>0.72</td>
<td>0.0789</td>
<td>0.229</td>
<td>0.379</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>37.471</td>
<td>20.1</td>
<td>2.7</td>
<td>0.1255</td>
<td>1.35</td>
<td>0.675</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>38.037</td>
<td>2.8</td>
<td>0.43</td>
<td>0.1093</td>
<td>0.189</td>
<td>0.371</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>38.36</td>
<td>4.2</td>
<td>0.66</td>
<td>0.1063</td>
<td>0.283</td>
<td>0.776</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>39.829</td>
<td>6.3</td>
<td>1.2</td>
<td>0.0884</td>
<td>0.422</td>
<td>21.131</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>39.989</td>
<td>531.2</td>
<td>88</td>
<td>0.1006</td>
<td>35.742</td>
<td>1.16</td>
<td>Maltose</td>
</tr>
<tr>
<td>10</td>
<td>57.642</td>
<td>28.2</td>
<td>3.7</td>
<td>0.128</td>
<td>1.895</td>
<td>0.862</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>#</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8.102</td>
<td>1248.9</td>
<td>286.3</td>
<td>0.0597</td>
<td>77.502</td>
<td>1.32</td>
</tr>
<tr>
<td>2</td>
<td>37.221</td>
<td>7.8</td>
<td>0.9</td>
<td>0.1443</td>
<td>0.483</td>
<td>3.225</td>
</tr>
<tr>
<td>3</td>
<td>37.477</td>
<td>4.6</td>
<td>1</td>
<td>0.0775</td>
<td>0.288</td>
<td>0.806</td>
</tr>
<tr>
<td>4</td>
<td>38.349</td>
<td>4.7</td>
<td>0.86</td>
<td>0.0904</td>
<td>0.289</td>
<td>0.589</td>
</tr>
<tr>
<td>5</td>
<td>39.777</td>
<td>6.9</td>
<td>1.1</td>
<td>0.1067</td>
<td>0.431</td>
<td>0.802</td>
</tr>
<tr>
<td>6</td>
<td>39.97</td>
<td>319.9</td>
<td>51.9</td>
<td>0.1027</td>
<td>19.849</td>
<td>0.711</td>
</tr>
<tr>
<td>7</td>
<td>57.65</td>
<td>18.7</td>
<td>2.4</td>
<td>0.128</td>
<td>1.159</td>
<td>0.803</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>#</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8.108</td>
<td>1445.1</td>
<td>313</td>
<td>0.0591</td>
<td>90.204</td>
<td>1.436</td>
</tr>
<tr>
<td>2</td>
<td>39.972</td>
<td>156.9</td>
<td>24.8</td>
<td>0.1057</td>
<td>9.796</td>
<td>0.693</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Weight maltose (mg)</th>
<th>Net weight maltose (mg)</th>
<th>Weight xylitol (mg)</th>
<th>Area Maltose</th>
<th>Area Xylitol</th>
<th>X (Wt Malto/Wt Xyl)</th>
<th>Y (Area Malto/Area Xyl)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MaltoseRF#1</td>
<td>1.0003</td>
<td>0.80024</td>
<td>1.0002</td>
<td>531.2</td>
<td>856</td>
<td>0.80008</td>
<td>0.620561</td>
</tr>
<tr>
<td>MaltoseRF#2</td>
<td>0.50015</td>
<td>0.40012</td>
<td>1.0015</td>
<td>319.9</td>
<td>1248.9</td>
<td>0.399521</td>
<td>0.256145</td>
</tr>
<tr>
<td>MaltoseRF#3</td>
<td>0.20006</td>
<td>0.16004</td>
<td>1.0028</td>
<td>156.9</td>
<td>1445.1</td>
<td>0.159601</td>
<td>0.108574</td>
</tr>
<tr>
<td>MelibioseRF# 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>#</td>
<td>Time</td>
<td>Area</td>
<td>Height</td>
<td>Width</td>
<td>Area%</td>
<td>Symmetry</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>8.015</td>
<td>956.6</td>
<td>202</td>
<td>0.0789</td>
<td>30.21</td>
<td>0.995</td>
<td>Xylitol</td>
</tr>
<tr>
<td>2</td>
<td>42.43</td>
<td>2209.9</td>
<td>333.1</td>
<td>0.1106</td>
<td>69.79</td>
<td>1.419</td>
<td>Melibiose</td>
</tr>
<tr>
<td>MelibioseRF# 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>#</td>
<td>Time</td>
<td>Area</td>
<td>Height</td>
<td>Width</td>
<td>Area%</td>
<td>Symmetry</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>8.019</td>
<td>1058.1</td>
<td>235.7</td>
<td>0.0748</td>
<td>86.314</td>
<td>1.169</td>
<td>Xylitol</td>
</tr>
<tr>
<td>2</td>
<td>42.376</td>
<td>167.8</td>
<td>28</td>
<td>0.0997</td>
<td>13.686</td>
<td>0.967</td>
<td>Melibiose</td>
</tr>
<tr>
<td>MelibioseRF# 3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>#</td>
<td>Time</td>
<td>Area</td>
<td>Height</td>
<td>Width</td>
<td>Area%</td>
<td>Symmetry</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>8.006</td>
<td>512.4</td>
<td>111</td>
<td>0.0769</td>
<td>98.783</td>
<td>0.967</td>
<td>Xylitol</td>
</tr>
<tr>
<td>2</td>
<td>42.399</td>
<td>6.3</td>
<td>1</td>
<td>0.1015</td>
<td>1.217</td>
<td>0.898</td>
<td>Melibiose</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Weight Melibiose (mg)</th>
<th>Net weight Melibiose (mg)</th>
<th>Weight xylitol (mg)</th>
<th>Area Melibiose</th>
<th>Area Xylitol</th>
<th>X (Wt Melib/Wt Xyl)</th>
<th>Y (Area Melib/Area Xyl)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>MelibioseRF#1</td>
<td>0.509</td>
<td>0.509</td>
<td>0.09983</td>
<td>2209.9</td>
<td>956.6</td>
<td>5.098668</td>
<td>2.310161</td>
</tr>
<tr>
<td>MelibioseRF#2</td>
<td>0.1018</td>
<td>0.1018</td>
<td>0.09988</td>
<td>167.8</td>
<td>1058.1</td>
<td>1.019223</td>
<td>0.158586</td>
</tr>
<tr>
<td>MelibioseRF#3</td>
<td>0.02036</td>
<td>0.02036</td>
<td>0.09995</td>
<td>6.3</td>
<td>512.4</td>
<td>0.203702</td>
<td>0.012295</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PalatinoseRF# 1</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>#</td>
<td>Time</td>
<td>Area</td>
<td>Height</td>
<td>Width</td>
<td>Area%</td>
<td>Symmetry</td>
<td>Purit y</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>7.856</td>
<td>2121</td>
<td>353.1</td>
<td>0.0746</td>
<td>12.518</td>
<td>1.16</td>
<td>Xylitol</td>
<td>0.88</td>
</tr>
<tr>
<td>2</td>
<td>37.716</td>
<td>46.2</td>
<td>4.7</td>
<td>0.1637</td>
<td>0.273</td>
<td>0.535</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>38.011</td>
<td>110.2</td>
<td>8.3</td>
<td>0.2213</td>
<td>0.65</td>
<td>0.594</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>38.399</td>
<td>28.7</td>
<td>2.8</td>
<td>0.1735</td>
<td>0.169</td>
<td>0.698</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>38.853</td>
<td>164.9</td>
<td>20.5</td>
<td>0.1342</td>
<td>0.973</td>
<td>1.018</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>39.028</td>
<td>363</td>
<td>42.4</td>
<td>0.1426</td>
<td>2.142</td>
<td>0.612</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>39.299</td>
<td>504.8</td>
<td>53</td>
<td>0.1587</td>
<td>2.979</td>
<td>0.78</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>40.479</td>
<td>267.2</td>
<td>22</td>
<td>0.2026</td>
<td>1.577</td>
<td>0.755</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>40.773</td>
<td>357.3</td>
<td>33.5</td>
<td>0.1777</td>
<td>2.109</td>
<td>0.622</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>41.389</td>
<td>4692.7</td>
<td>557</td>
<td>0.1404</td>
<td>27.696</td>
<td>1.587</td>
<td>Pala1</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>41.758</td>
<td>8287.9</td>
<td>998.6</td>
<td>0.1383</td>
<td>48.914</td>
<td>2.435</td>
<td>Pala2</td>
<td></td>
</tr>
<tr>
<td>PalatinoseRF# 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>#</td>
<td>Time</td>
<td>Area</td>
<td>Height</td>
<td>Width</td>
<td>Area%</td>
<td>Symmetry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sample ID</td>
<td>Weight Palatinose (mg)</td>
<td>Net weight palatinose (mg)</td>
<td>Weight xylitol (mg)</td>
<td>Area Palatinose</td>
<td>Area Xylitol</td>
<td>X (Wt Pala/Wt Xyl)</td>
<td>Y (Area Pala/Area Xyl)</td>
<td></td>
</tr>
<tr>
<td>-----------</td>
<td>-----------------------</td>
<td>----------------------------</td>
<td>--------------------</td>
<td>-----------------</td>
<td>-------------</td>
<td>------------------</td>
<td>---------------------</td>
<td></td>
</tr>
<tr>
<td>Blank</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>PalatinoseRF#1 1</td>
<td>1.005</td>
<td>0.8844</td>
<td>0.0998</td>
<td>3</td>
<td>12980.6</td>
<td>2121</td>
<td>8.85906</td>
<td></td>
</tr>
<tr>
<td>PalatinoseRF#1 2</td>
<td>0.201</td>
<td>0.17688</td>
<td>0.0998</td>
<td>8</td>
<td>1245.5</td>
<td>1439.4</td>
<td>0.86529</td>
<td></td>
</tr>
<tr>
<td>PalatinoseRF#1 3</td>
<td>0.1005</td>
<td>0.08844</td>
<td>0.0999</td>
<td>5</td>
<td>187.2</td>
<td>682.8</td>
<td>0.27416</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Weight sucrose (mg)</th>
<th>Net weight sucrose (mg)</th>
<th>Weight xylitol (mg)</th>
<th>Area Sucrose</th>
<th>Area Xylitol</th>
<th>X (Wt Suc/Wt Xyl)</th>
<th>Y (Area Suc/Area Xyl)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>SucroseRF#1</td>
<td>0.0995</td>
<td>0.0995</td>
<td>0.1009</td>
<td>1585.7</td>
<td>2212.7</td>
<td>0.986125</td>
<td>0.716636</td>
</tr>
<tr>
<td>Sample ID</td>
<td>Weight trehalose (mg)</td>
<td>Net weight trehalose (mg)</td>
<td>Weight xylitol (mg)</td>
<td>Area trehalose</td>
<td>Area Xylitol</td>
<td>X (Wt Treh/Wt Xyl)</td>
<td>Y (Area Treh/Area Xyl)</td>
</tr>
<tr>
<td>------------------</td>
<td>-----------------------</td>
<td>---------------------------</td>
<td>--------------------</td>
<td>----------------</td>
<td>-------------</td>
<td>-------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>Blank</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>SucroseRF#2</td>
<td>1.0425</td>
<td>1.0425</td>
<td>1.009</td>
<td>3256.4</td>
<td>3376.1</td>
<td>1.033201</td>
<td>0.964545</td>
</tr>
<tr>
<td>SucroseRF#3</td>
<td>0.2085</td>
<td>0.2085</td>
<td>1.0079</td>
<td>320.5</td>
<td>2460.2</td>
<td>0.206866</td>
<td>0.130274</td>
</tr>
<tr>
<td>TrehaloseRF#3dil (2)</td>
<td>0.0417</td>
<td>0.0417</td>
<td>1.0004</td>
<td>405.1</td>
<td>14566</td>
<td>0.041683</td>
<td>0.027811</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
<th>Purity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
</tr>
<tr>
<td>TrehaloseRF#1</td>
<td>7.936</td>
<td>3376.1</td>
<td>593.7</td>
<td>0.0948</td>
<td>50.902</td>
<td>1.538</td>
<td>Xylitol</td>
</tr>
<tr>
<td>TrehaloseRF#2</td>
<td>37.14</td>
<td>3256.4</td>
<td>372.3</td>
<td>0.1458</td>
<td>49.098</td>
<td>1.211</td>
<td>Trehalose</td>
</tr>
<tr>
<td>TrehaloseRF#3</td>
<td>8.034</td>
<td>14566</td>
<td>1847.1</td>
<td>0.1314</td>
<td>97.294</td>
<td>5.633</td>
<td>Xylitol</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
<th>Purity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
<td>0.0000</td>
</tr>
<tr>
<td>TrehaloseRF#1</td>
<td>7.474</td>
<td>2486.7</td>
<td>477</td>
<td>0.0869</td>
<td>21.618</td>
<td>1.343</td>
<td>Xylitol</td>
</tr>
<tr>
<td>TrehaloseRF#2</td>
<td>41.307</td>
<td>36.1</td>
<td>5.6</td>
<td>0.108</td>
<td>0.314</td>
<td>0.787</td>
<td></td>
</tr>
<tr>
<td>TrehaloseRF#3</td>
<td>56.273</td>
<td>31.6</td>
<td>3.8</td>
<td>0.1383</td>
<td>0.275</td>
<td>2.582</td>
<td></td>
</tr>
<tr>
<td>IsomaltotrioseRF#1</td>
<td>56.626</td>
<td>27.5</td>
<td>14.5</td>
<td>0.0317</td>
<td>0.239</td>
<td>1.743</td>
<td></td>
</tr>
<tr>
<td>IsomaltotrioseRF#2</td>
<td>57.003</td>
<td>482.7</td>
<td>47.8</td>
<td>0.1683</td>
<td>4.196</td>
<td>0.551</td>
<td></td>
</tr>
<tr>
<td>IsomaltotrioseRF#3</td>
<td>57.983</td>
<td>115.4</td>
<td>10.2</td>
<td>0.1893</td>
<td>1.003</td>
<td>0.803</td>
<td></td>
</tr>
<tr>
<td>IsomaltotrioseRF#4</td>
<td>58.62</td>
<td>36.3</td>
<td>3.1</td>
<td>0.1946</td>
<td>0.316</td>
<td>0.672</td>
<td></td>
</tr>
<tr>
<td>IsomaltotrioseRF#5</td>
<td>59.226</td>
<td>49.4</td>
<td>4</td>
<td>0.2078</td>
<td>0.429</td>
<td>0.776</td>
<td></td>
</tr>
<tr>
<td>IsomaltotrioseRF#6</td>
<td>59.922</td>
<td>70.8</td>
<td>6.4</td>
<td>0.1859</td>
<td>0.616</td>
<td>1.092</td>
<td></td>
</tr>
<tr>
<td>IsomaltotrioseRF#7</td>
<td>60.418</td>
<td>7451.5</td>
<td>661.7</td>
<td>0.1877</td>
<td>64.78</td>
<td>3.155</td>
<td>Isomalt</td>
</tr>
<tr>
<td>IsomaltotrioseRF#8</td>
<td>61.406</td>
<td>435.3</td>
<td>12.8</td>
<td>0.5658</td>
<td>3.784</td>
<td>0.345</td>
<td></td>
</tr>
<tr>
<td>IsomaltotrioseRF#2</td>
<td>#</td>
<td>Time</td>
<td>Area</td>
<td>Height</td>
<td>Width</td>
<td>Area%</td>
<td>Symmetry</td>
</tr>
<tr>
<td>------------------</td>
<td>---</td>
<td>------</td>
<td>-------</td>
<td>--------</td>
<td>-------</td>
<td>-------</td>
<td>----------</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>7.474</td>
<td>2420.9</td>
<td>422.1</td>
<td>0.0956</td>
<td>73.011</td>
<td>1.179</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>55.522</td>
<td>146.7</td>
<td>2.2</td>
<td>1.1257</td>
<td>4.425</td>
<td>2.07</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>56.584</td>
<td>25.1</td>
<td>1.6</td>
<td>0.2595</td>
<td>0.756</td>
<td>0.705</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>57.102</td>
<td>83.3</td>
<td>4.3</td>
<td>0.3204</td>
<td>2.512</td>
<td>0.314</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>60.327</td>
<td>639.8</td>
<td>42.3</td>
<td>0.2521</td>
<td>19.296</td>
<td>0.531</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IsomaltotrioseRF#3</th>
<th>#</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>7.466</td>
<td>2432.2</td>
<td>399.8</td>
<td>0.1014</td>
<td>96.204</td>
<td>1.092</td>
<td>Xylitol</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>60.514</td>
<td>96</td>
<td>6.7</td>
<td>0.2392</td>
<td>3.796</td>
<td>0.634</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Weight isomaltotriose (mg)</th>
<th>Net weight isomaltotriose (mg)</th>
<th>Weight xylitol (mg)</th>
<th>Area isomaltotriose</th>
<th>Area Xylitol</th>
<th>X (Wt Isomaltotriose/Wt Xyl)</th>
<th>Y (Area Isomaltotriose/Area Xyl)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>IsomaltotrioseRF#1</td>
<td>0.6225</td>
<td>0.51668</td>
<td>0.09983</td>
<td>7451.5</td>
<td>2486.7</td>
<td>5.175548</td>
<td>2.99654</td>
</tr>
<tr>
<td>IsomaltotrioseRF#2</td>
<td>0.1245</td>
<td>0.10334</td>
<td>0.09988</td>
<td>639.8</td>
<td>2420.9</td>
<td>1.034592</td>
<td>0.26428</td>
</tr>
<tr>
<td>IsomaltotrioseRF#3</td>
<td>0.06225</td>
<td>0.05167</td>
<td>0.09995</td>
<td>96</td>
<td>2432.2</td>
<td>0.516933</td>
<td>0.03947</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KestoseRF#1</th>
<th>#</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
<th></th>
<th>Purity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>7.485</td>
<td>2290.1</td>
<td>450.2</td>
<td>0.0848</td>
<td>27.16</td>
<td>1.391</td>
<td>Xylitol</td>
<td>0.76</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>48.87</td>
<td>161</td>
<td>15.2</td>
<td>0.1765</td>
<td>1.909</td>
<td>0.611</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>49.649</td>
<td>42</td>
<td>4.2</td>
<td>0.1669</td>
<td>0.499</td>
<td>0.847</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>49.923</td>
<td>494.4</td>
<td>32.3</td>
<td>0.2554</td>
<td>5.863</td>
<td>0.335</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>50.306</td>
<td>230.8</td>
<td>15.1</td>
<td>0.2546</td>
<td>2.737</td>
<td>0.423</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>50.875</td>
<td>359.1</td>
<td>15.3</td>
<td>0.3909</td>
<td>4.258</td>
<td>1.731</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>51.802</td>
<td>4577.9</td>
<td>556.9</td>
<td>0.137</td>
<td>54.293</td>
<td>1.556</td>
<td>Kestose</td>
<td>1.556</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>52.389</td>
<td>276.7</td>
<td>12</td>
<td>0.3845</td>
<td>3.281</td>
<td>0.687</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KestoseRF#2</th>
<th>#</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>7.486</td>
<td>2336.7</td>
<td>445.7</td>
<td>0.0802</td>
<td>46.245</td>
<td>1.418</td>
<td>Xylitol</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>48.879</td>
<td>56.2</td>
<td>5.3</td>
<td>0.1774</td>
<td>1.113</td>
<td>0.635</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Time</td>
<td>Area</td>
<td>Height</td>
<td>Width</td>
<td>Area%</td>
<td>Symmetry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td>--------</td>
<td>----------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>7.494</td>
<td>2913.5</td>
<td>553.4</td>
<td>0.0877</td>
<td>84.413</td>
<td>1.55</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>51.766</td>
<td>538</td>
<td>53.3</td>
<td>0.1683</td>
<td>15.587</td>
<td>0.604</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Weight ketose (mg)</th>
<th>Net weight ketose (mg)</th>
<th>Weight xylitol (mg)</th>
<th>Area Kestose (mg)</th>
<th>Area Xylitol (mg)</th>
<th>X (Wt Kest/Wt Xyl)</th>
<th>Y (Area Kest/Area Xyl)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Kestose1</td>
<td>0.589</td>
<td>0.44175</td>
<td>0.09983</td>
<td>4577.9</td>
<td>2290.1</td>
<td>4.425023</td>
<td>1.998996</td>
</tr>
<tr>
<td>Kestose2</td>
<td>0.2945</td>
<td>0.2208</td>
<td>0.09988</td>
<td>2293.6</td>
<td>2336.7</td>
<td>2.211404</td>
<td>0.981555</td>
</tr>
<tr>
<td>Kestose3</td>
<td>0.1178</td>
<td>0.08835</td>
<td>0.09995</td>
<td>538</td>
<td>2913.5</td>
<td>0.883942</td>
<td>0.184658</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MelezitoseRF# 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>#</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>4</td>
</tr>
<tr>
<td>5</td>
</tr>
<tr>
<td>6</td>
</tr>
<tr>
<td>7</td>
</tr>
<tr>
<td>8</td>
</tr>
<tr>
<td>9</td>
</tr>
<tr>
<td>10</td>
</tr>
<tr>
<td>11</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MelezitoseRF# 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>#</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>4</td>
</tr>
<tr>
<td>5</td>
</tr>
<tr>
<td>6</td>
</tr>
<tr>
<td>Sample ID</td>
</tr>
<tr>
<td>---------------</td>
</tr>
<tr>
<td>Blank</td>
</tr>
<tr>
<td>Melezitose1</td>
</tr>
<tr>
<td>Melezitose2</td>
</tr>
<tr>
<td>Melezitose3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MelezitoseRF# 3</th>
<th>#</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7</td>
<td>51.051</td>
<td>203.2</td>
<td>21.9</td>
<td>0.1549</td>
<td>4.674</td>
<td>6.73E-03</td>
</tr>
<tr>
<td>2</td>
<td>8</td>
<td>51.616</td>
<td>172</td>
<td>10</td>
<td>0.2875</td>
<td>3.955</td>
<td>0.745</td>
</tr>
<tr>
<td>3</td>
<td>9</td>
<td>53.289</td>
<td>1524.5</td>
<td>178.6</td>
<td>0.1423</td>
<td>35.06</td>
<td>0.939</td>
</tr>
<tr>
<td>4</td>
<td>10</td>
<td>53.885</td>
<td>56.5</td>
<td>4</td>
<td>0.2328</td>
<td>1.3</td>
<td>1.101</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RaffinoseRF# 1</th>
<th>#</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>8.1</td>
<td>1628.9</td>
<td>341.7</td>
<td>0.0795</td>
<td>60.051</td>
<td>1.411</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>52.292</td>
<td>1083.6</td>
<td>154.4</td>
<td>0.1169</td>
<td>39.949</td>
<td>0.723</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RaffinoseRF# 2</th>
<th>#</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>8.089</td>
<td>1636.2</td>
<td>347.4</td>
<td>0.0785</td>
<td>77.531</td>
<td>1.335</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>52.271</td>
<td>474.2</td>
<td>69.3</td>
<td>0.114</td>
<td>22.469</td>
<td>0.546</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RaffinoseRF# 3</th>
<th>#</th>
<th>Time</th>
<th>Area</th>
<th>Height</th>
<th>Width</th>
<th>Area%</th>
<th>Symmetry</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>8.084</td>
<td>1588.2</td>
<td>345.2</td>
<td>0.0767</td>
<td>90.757</td>
<td>1.474</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>52.273</td>
<td>161.8</td>
<td>23.4</td>
<td>0.1153</td>
<td>9.243</td>
<td>0.698</td>
</tr>
</tbody>
</table>
### Sample ID

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Weight Raffinose (mg)</th>
<th>Net weight raffinose (mg)</th>
<th>Weight xylitol (mg)</th>
<th>Area Raffinose</th>
<th>Area Xylitol</th>
<th>X (Wt Raff/Wt Xyl)</th>
<th>Y (Area Raff/Area Xyl)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blank</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>RaffinoseRF#1</td>
<td>1.001</td>
<td>1.009</td>
<td>1083.6</td>
<td>1628.9</td>
<td>0.92071</td>
<td>0.665234</td>
<td></td>
</tr>
<tr>
<td>RaffinoseRF#2</td>
<td>0.5005</td>
<td>1.0004</td>
<td>474.2</td>
<td>1636.2</td>
<td>0.5003</td>
<td>0.289818</td>
<td></td>
</tr>
<tr>
<td>RaffinoseRF#3</td>
<td>0.2002</td>
<td>1.0004</td>
<td>161.8</td>
<td>1588.2</td>
<td>0.20012</td>
<td>0.101876</td>
<td></td>
</tr>
</tbody>
</table>

### Honey results for China (non-adulterated)

<table>
<thead>
<tr>
<th>19#1</th>
<th>Wt(s) (mg)</th>
<th>16.79</th>
<th>Wt(Xyl) (mg)</th>
<th>0.09983</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.922</td>
<td>1303.9</td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.272</td>
<td>127759.5</td>
<td>1.928</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>35.022</td>
<td>5213</td>
<td>4.421</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.095</td>
<td>276.4</td>
<td>4.683</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.539</td>
<td>558.3</td>
<td>4.865</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.982</td>
<td>215.8</td>
<td>4.921</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.198</td>
<td>1226.5</td>
<td>4.948</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.287</td>
<td>585.1</td>
<td>4.959</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.694</td>
<td>1528</td>
<td>5.011</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.181</td>
<td>251.9</td>
<td>5.072</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.478</td>
<td>146.4</td>
<td>5.110</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.784</td>
<td>112.8</td>
<td>5.148</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.038</td>
<td>96.7</td>
<td>5.180</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.407</td>
<td>125.2</td>
<td>5.227</td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>52.019</td>
<td>121.4</td>
<td>6.566</td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>52.254</td>
<td>103.9</td>
<td>6.596</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>53.047</td>
<td>116</td>
<td>6.696</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.655</td>
<td>36</td>
<td>6.773</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.877</td>
<td>13.2</td>
<td>7.558</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>80#1</th>
<th>Wt(s) (mg)</th>
<th>14.63</th>
<th>Wt(Xyl) (mg)</th>
<th>0.09983</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>8.076</td>
<td>4469.2</td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.935</td>
<td>391237</td>
<td>1.973</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>35.065</td>
<td>5137.3</td>
<td>4.342</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.151</td>
<td>194.6</td>
<td>4.600</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.576</td>
<td>780.5</td>
<td>4.777</td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Area</td>
<td>Time (min)</td>
<td>Area</td>
</tr>
<tr>
<td>------</td>
<td>------------------------</td>
<td>--------</td>
<td>------------</td>
<td>--------</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>8.097</td>
<td></td>
<td>4840.6</td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td></td>
<td>16.086</td>
<td>471752.8</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>35.09</td>
<td>6154.4</td>
<td>4.334</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.146</td>
<td>100.5</td>
<td>4.588</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.577</td>
<td>913.6</td>
<td>4.764</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.245</td>
<td>1681.4</td>
<td>4.847</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.466</td>
<td>3466</td>
<td>4.874</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.703</td>
<td>1363.9</td>
<td>4.903</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.965</td>
<td>8124.3</td>
<td>4.936</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.275</td>
<td>1657.9</td>
<td>4.974</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.858</td>
<td>607.1</td>
<td>5.046</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>41.082</td>
<td>271.3</td>
<td>5.074</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.471</td>
<td>618.6</td>
<td>5.122</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.776</td>
<td>900.5</td>
<td>5.159</td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>52.323</td>
<td>530.6</td>
<td>6.462</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>53.074</td>
<td>2340.9</td>
<td>6.555</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.677</td>
<td>87.1</td>
<td>6.629</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.371</td>
<td>523.4</td>
<td>7.085</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.915</td>
<td>180.6</td>
<td>7.400</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>61.013</td>
<td>12.7</td>
<td>7.535</td>
</tr>
</tbody>
</table>

80#2

| Wt(s) (mg) | 17.84 |
| Wt(Xyl) (mg) | 0.09988 |

80#3

<p>| Wt(s) (mg) | 19.83 |
| Wt(Xyl) (mg) | 0.09995 |</p>
<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%(o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>8.085</td>
<td>4518.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>16.076</td>
<td>473440.9</td>
<td>1.988</td>
<td>0.97</td>
<td>10.80</td>
<td>54.44</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>35.09</td>
<td>6165</td>
<td>4.340</td>
<td>0.76</td>
<td>0.18</td>
<td>0.90</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.145</td>
<td>266.8</td>
<td>4.594</td>
<td>0.92</td>
<td>0.01</td>
<td>0.03</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.583</td>
<td>962.8</td>
<td>4.772</td>
<td>0.72</td>
<td>0.03</td>
<td>0.15</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.248</td>
<td>816.3</td>
<td>4.854</td>
<td>0.8</td>
<td>0.02</td>
<td>0.11</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.433</td>
<td>1359.2</td>
<td>4.877</td>
<td>0.8</td>
<td>0.09</td>
<td>0.46</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.714</td>
<td>1444.9</td>
<td>4.911</td>
<td>0.8</td>
<td>0.04</td>
<td>0.20</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.926</td>
<td>4517.9</td>
<td>4.938</td>
<td>0.8</td>
<td>0.21</td>
<td>1.07</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.268</td>
<td>884.1</td>
<td>4.980</td>
<td>0.143</td>
<td>0.02</td>
<td>0.12</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.85</td>
<td>612.2</td>
<td>5.052</td>
<td>0.44</td>
<td>0.03</td>
<td>0.16</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>41.102</td>
<td>285.2</td>
<td>5.083</td>
<td>0.52</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.473</td>
<td>726.4</td>
<td>5.129</td>
<td>0.68</td>
<td>0.05</td>
<td>0.27</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.773</td>
<td>943.7</td>
<td>5.166</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>52.093</td>
<td>99.4</td>
<td>6.442</td>
<td>0.65</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>52.3</td>
<td>220.2</td>
<td>6.468</td>
<td>0.44</td>
<td>0.03</td>
<td>0.14</td>
</tr>
<tr>
<td></td>
<td>Kestose</td>
<td>52.32</td>
<td>346.8</td>
<td>6.470</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>53.078</td>
<td>2252.4</td>
<td>6.564</td>
<td>0.55</td>
<td>0.09</td>
<td>0.46</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.624</td>
<td>127.7</td>
<td>6.632</td>
<td>0.56</td>
<td>0.01</td>
<td>0.05</td>
</tr>
<tr>
<td></td>
<td>Melezitose</td>
<td>53.645</td>
<td>129.4</td>
<td>6.634</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.382</td>
<td>565.3</td>
<td>7.096</td>
<td>0.55</td>
<td>0.02</td>
<td>0.11</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.924</td>
<td>192.1</td>
<td>7.411</td>
<td>0.55</td>
<td>0.01</td>
<td>0.04</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>61.014</td>
<td>13.9</td>
<td>7.546</td>
<td>0.56</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>64#1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wt(s) (mg)</td>
<td>15.24</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wt(Xyl) (mg)</td>
<td>0.09983</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%(o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>8.085</td>
<td>1742.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>13.93</td>
<td>404.6</td>
<td>1.723</td>
<td>0.97</td>
<td>11.00</td>
<td>72.18</td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td>15.591</td>
<td>185821.5</td>
<td>1.928</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>35.124</td>
<td>335.3</td>
<td>4.344</td>
<td>0.76</td>
<td>0.03</td>
<td>0.17</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.307</td>
<td>175.7</td>
<td>4.614</td>
<td>0.92</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.734</td>
<td>586.7</td>
<td>4.791</td>
<td>0.72</td>
<td>0.05</td>
<td>0.31</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.338</td>
<td>873.5</td>
<td>4.866</td>
<td>0.8</td>
<td>0.06</td>
<td>0.41</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.542</td>
<td>1253.2</td>
<td>4.891</td>
<td>0.8</td>
<td>0.09</td>
<td>0.59</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.794</td>
<td>659.4</td>
<td>4.922</td>
<td>0.8</td>
<td>0.05</td>
<td>0.31</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.986</td>
<td>1434.1</td>
<td>4.946</td>
<td>0.8</td>
<td>0.10</td>
<td>0.67</td>
</tr>
<tr>
<td></td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
<td>%(o)</td>
</tr>
<tr>
<td>---</td>
<td>------------------</td>
<td>------------</td>
<td>---------</td>
<td>------</td>
<td>-------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.381</td>
<td>755.1</td>
<td>4.995</td>
<td>1.43</td>
<td>0.03</td>
<td>0.20</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.979</td>
<td>322.8</td>
<td>5.069</td>
<td>0.44</td>
<td>0.04</td>
<td>0.28</td>
</tr>
<tr>
<td>J</td>
<td>Gentibiose</td>
<td>41.237</td>
<td>274.9</td>
<td>5.100</td>
<td>0.52</td>
<td>0.03</td>
<td>0.20</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.604</td>
<td>332</td>
<td>5.146</td>
<td>0.68</td>
<td>0.06</td>
<td>0.42</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.907</td>
<td>425.9</td>
<td>5.183</td>
<td>0.68</td>
<td>0.06</td>
<td>0.42</td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>52.245</td>
<td>48.6</td>
<td>6.462</td>
<td>0.65</td>
<td>0.00</td>
<td>0.03</td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td>52.465</td>
<td>302.4</td>
<td>6.489</td>
<td>0.44</td>
<td>0.04</td>
<td>0.26</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>53.181</td>
<td>86.5</td>
<td>6.578</td>
<td>0.55</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.78</td>
<td>20.6</td>
<td>6.652</td>
<td>0.56</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.533</td>
<td>47.9</td>
<td>7.116</td>
<td>0.55</td>
<td>0.00</td>
<td>0.03</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>60.122</td>
<td>59.4</td>
<td>7.436</td>
<td>0.55</td>
<td>0.01</td>
<td>0.04</td>
</tr>
</tbody>
</table>

**64#2**

<table>
<thead>
<tr>
<th></th>
<th>Wt(s) (mg)</th>
<th>15.21</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Wt(Xyl) (mg)</td>
<td>0.09988</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%(o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS Xylitol</td>
<td></td>
<td>8.05</td>
<td>581.4</td>
<td>1.97</td>
<td>11.45</td>
<td>75.30</td>
</tr>
<tr>
<td>Mono Monosaccharides</td>
<td>14.238</td>
<td>2430.4</td>
<td>1.769</td>
<td>0.97</td>
<td>11.45</td>
<td>75.30</td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td>15.205</td>
<td>62239.3</td>
<td>1.889</td>
<td>0.97</td>
<td>11.45</td>
</tr>
<tr>
<td>13</td>
<td>Sucrose</td>
<td>35.113</td>
<td>207.2</td>
<td>4.362</td>
<td>0.76</td>
<td>0.05</td>
</tr>
<tr>
<td>17</td>
<td>Trehalose</td>
<td>37.289</td>
<td>140.2</td>
<td>4.632</td>
<td>0.92</td>
<td>0.03</td>
</tr>
<tr>
<td>24</td>
<td>Cellobiose</td>
<td>38.662</td>
<td>253.4</td>
<td>4.803</td>
<td>0.72</td>
<td>0.02</td>
</tr>
<tr>
<td>27</td>
<td>Laminaribiose</td>
<td>39.352</td>
<td>420.4</td>
<td>4.888</td>
<td>0.8</td>
<td>0.09</td>
</tr>
<tr>
<td>28</td>
<td>Nigerose+Turanose1</td>
<td>39.525</td>
<td>825.7</td>
<td>4.910</td>
<td>0.8</td>
<td>0.21</td>
</tr>
<tr>
<td>29</td>
<td>Nigerose+Turanose1</td>
<td>39.645</td>
<td>148</td>
<td>4.925</td>
<td>0.8</td>
<td>0.21</td>
</tr>
<tr>
<td>30</td>
<td>Turanose2+Maltulose1</td>
<td>39.789</td>
<td>595.2</td>
<td>4.943</td>
<td>0.8</td>
<td>0.16</td>
</tr>
<tr>
<td>31</td>
<td>Maltose+Maltulose2</td>
<td>39.961</td>
<td>698.8</td>
<td>4.964</td>
<td>0.8</td>
<td>0.15</td>
</tr>
<tr>
<td>33</td>
<td>Kojibiose</td>
<td>40.369</td>
<td>374.3</td>
<td>5.015</td>
<td>1.43</td>
<td>0.04</td>
</tr>
<tr>
<td>34</td>
<td>Melibiose</td>
<td>40.976</td>
<td>179.3</td>
<td>5.090</td>
<td>0.44</td>
<td>0.07</td>
</tr>
<tr>
<td>35</td>
<td>Gentibiose</td>
<td>41.233</td>
<td>166.6</td>
<td>5.122</td>
<td>0.52</td>
<td>0.06</td>
</tr>
<tr>
<td>36</td>
<td>Palatinose1</td>
<td>41.613</td>
<td>184</td>
<td>5.169</td>
<td>0.68</td>
<td>0.10</td>
</tr>
<tr>
<td>37</td>
<td>Palatinose2</td>
<td>41.903</td>
<td>196.8</td>
<td>5.205</td>
<td>0.68</td>
<td>0.10</td>
</tr>
</tbody>
</table>

**64#3**

<table>
<thead>
<tr>
<th></th>
<th>Wt(s) (mg)</th>
<th>17.48</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Wt(Xyl) (mg)</td>
<td>0.09995</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak Sugar</th>
<th>Time</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%(o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS Xylitol</td>
<td>8.085</td>
<td>1588.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono Monosaccharides</td>
<td>15.622</td>
<td>211966.5</td>
<td>1.932</td>
<td>0.97</td>
<td>13.75</td>
<td>78.64</td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>IS</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
</tr>
<tr>
<td>------</td>
<td>---------------------------</td>
<td>-----</td>
<td>------------</td>
<td>----------</td>
<td>-----</td>
<td>-------</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td></td>
<td>8.087</td>
<td>1884.6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td></td>
<td>15.674</td>
<td>190072.9</td>
<td>1.938</td>
<td>0.97</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td></td>
<td>35.12</td>
<td>658.5</td>
<td>4.343</td>
<td>0.76</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td></td>
<td>37.283</td>
<td>192.5</td>
<td>4.610</td>
<td>0.92</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td></td>
<td>38.702</td>
<td>851.2</td>
<td>4.786</td>
<td>0.72</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td></td>
<td>39.365</td>
<td>690.2</td>
<td>4.868</td>
<td>0.8</td>
</tr>
<tr>
<td>E</td>
<td>Nigeros+Turanose1</td>
<td></td>
<td>39.581</td>
<td>2305.6</td>
<td>4.894</td>
<td>0.8</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltose1</td>
<td></td>
<td>39.825</td>
<td>1202.1</td>
<td>4.925</td>
<td>0.8</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltose2</td>
<td></td>
<td>40.026</td>
<td>3363.1</td>
<td>4.949</td>
<td>0.8</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td></td>
<td>40.391</td>
<td>924.7</td>
<td>4.996</td>
<td>1.43</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td></td>
<td>40.991</td>
<td>378.7</td>
<td>5.070</td>
<td>0.44</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td></td>
<td>41.235</td>
<td>358.6</td>
<td>5.100</td>
<td>0.52</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td></td>
<td>41.614</td>
<td>433.8</td>
<td>5.147</td>
<td>0.68</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose2</td>
<td></td>
<td>41.911</td>
<td>519.7</td>
<td>5.184</td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td></td>
<td>52.242</td>
<td>49.3</td>
<td>6.462</td>
<td>0.65</td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td></td>
<td>52.461</td>
<td>338.1</td>
<td>6.489</td>
<td>0.44</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td></td>
<td>53.174</td>
<td>131.8</td>
<td>6.577</td>
<td>0.55</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td></td>
<td>53.766</td>
<td>31.4</td>
<td>6.650</td>
<td>0.56</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td></td>
<td>57.55</td>
<td>44.5</td>
<td>7.118</td>
<td>0.55</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td></td>
<td>60.134</td>
<td>61.7</td>
<td>7.438</td>
<td>0.55</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td></td>
<td>61.202</td>
<td>10.8</td>
<td>7.570</td>
<td>0.56</td>
</tr>
<tr>
<td>76#1</td>
<td>Wt(s) (mg)</td>
<td>14.87</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wt(Xyl) (mg)</td>
<td>0.09983</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Table: Peak Area Results

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>IS</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%o</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td></td>
<td>8.087</td>
<td>1884.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td></td>
<td>15.674</td>
<td>190072.9</td>
<td>1.938</td>
<td>0.97</td>
<td>10.38</td>
<td>69.80</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td></td>
<td>35.12</td>
<td>658.5</td>
<td>4.343</td>
<td>0.76</td>
<td>0.05</td>
<td>0.31</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td></td>
<td>37.283</td>
<td>192.5</td>
<td>4.610</td>
<td>0.92</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td></td>
<td>38.702</td>
<td>851.2</td>
<td>4.786</td>
<td>0.72</td>
<td>0.06</td>
<td>0.42</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td></td>
<td>39.365</td>
<td>690.2</td>
<td>4.868</td>
<td>0.8</td>
<td>0.05</td>
<td>0.31</td>
</tr>
<tr>
<td>E</td>
<td>Nigeros+Turanose1</td>
<td></td>
<td>39.581</td>
<td>2305.6</td>
<td>4.894</td>
<td>0.8</td>
<td>0.15</td>
<td>1.03</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltose1</td>
<td></td>
<td>39.825</td>
<td>1202.1</td>
<td>4.925</td>
<td>0.8</td>
<td>0.08</td>
<td>0.54</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltose2</td>
<td></td>
<td>40.026</td>
<td>3363.1</td>
<td>4.949</td>
<td>0.8</td>
<td>0.22</td>
<td>1.50</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td></td>
<td>40.391</td>
<td>924.7</td>
<td>4.996</td>
<td>1.43</td>
<td>0.04</td>
<td>0.23</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td></td>
<td>40.991</td>
<td>378.7</td>
<td>5.070</td>
<td>0.44</td>
<td>0.05</td>
<td>0.31</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td></td>
<td>41.235</td>
<td>358.6</td>
<td>5.100</td>
<td>0.52</td>
<td>0.04</td>
<td>0.25</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td></td>
<td>41.599</td>
<td>584.1</td>
<td>5.144</td>
<td>0.68</td>
<td>0.11</td>
<td>0.75</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose2</td>
<td></td>
<td>41.911</td>
<td>840.8</td>
<td>5.183</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td></td>
<td>52.23</td>
<td>7.3</td>
<td>6.459</td>
<td>0.65</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td></td>
<td>52.461</td>
<td>142.3</td>
<td>6.487</td>
<td>0.44</td>
<td>0.02</td>
<td>0.12</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td></td>
<td>53.181</td>
<td>865.8</td>
<td>6.576</td>
<td>0.55</td>
<td>0.08</td>
<td>0.56</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td></td>
<td>53.777</td>
<td>103.8</td>
<td>6.650</td>
<td>0.56</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td></td>
<td>57.562</td>
<td>175.3</td>
<td>7.118</td>
<td>0.55</td>
<td>0.02</td>
<td>0.11</td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Wt(s) (mg)</td>
<td>Wt(Xyl) (mg)</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
</tr>
<tr>
<td>------</td>
<td>------------------------</td>
<td>------------</td>
<td>--------------</td>
<td>------------</td>
<td>--------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>14.4</td>
<td>0.09988</td>
<td>8.062</td>
<td>1389.8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>15.449</td>
<td></td>
<td>131520.8</td>
<td>1.916</td>
<td>0.97</td>
<td>9.74</td>
<td>67.67</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>35.113</td>
<td></td>
<td>491.3</td>
<td>4.355</td>
<td>0.76</td>
<td>0.05</td>
<td>0.32</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.699</td>
<td></td>
<td>608.9</td>
<td>4.800</td>
<td>0.72</td>
<td>0.06</td>
<td>0.42</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.349</td>
<td></td>
<td>571.7</td>
<td>4.881</td>
<td>0.8</td>
<td>0.05</td>
<td>0.36</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.559</td>
<td></td>
<td>2157</td>
<td>4.907</td>
<td>0.8</td>
<td>0.19</td>
<td>1.35</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.803</td>
<td></td>
<td>1121.1</td>
<td>4.937</td>
<td>0.8</td>
<td>0.10</td>
<td>0.70</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>40.009</td>
<td></td>
<td>2448.3</td>
<td>4.963</td>
<td>0.8</td>
<td>0.22</td>
<td>1.53</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.383</td>
<td></td>
<td>1135.6</td>
<td>5.009</td>
<td>1.43</td>
<td>0.06</td>
<td>0.40</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.982</td>
<td></td>
<td>421.6</td>
<td>5.083</td>
<td>0.44</td>
<td>0.07</td>
<td>0.48</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>41.236</td>
<td></td>
<td>230.2</td>
<td>5.115</td>
<td>0.52</td>
<td>0.03</td>
<td>0.22</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.603</td>
<td></td>
<td>434.8</td>
<td>5.160</td>
<td>0.68</td>
<td>0.10</td>
<td>0.72</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.904</td>
<td></td>
<td>541.4</td>
<td>5.198</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>52.235</td>
<td></td>
<td>6.9</td>
<td>6.479</td>
<td>0.65</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td>52.472</td>
<td></td>
<td>98.4</td>
<td>6.509</td>
<td>0.44</td>
<td>0.02</td>
<td>0.11</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>53.192</td>
<td></td>
<td>631.9</td>
<td>6.598</td>
<td>0.55</td>
<td>0.08</td>
<td>0.57</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.756</td>
<td></td>
<td>72.9</td>
<td>6.668</td>
<td>0.56</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.56</td>
<td></td>
<td>132.7</td>
<td>7.140</td>
<td>0.55</td>
<td>0.02</td>
<td>0.12</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>60.127</td>
<td></td>
<td>101.5</td>
<td>7.458</td>
<td>0.55</td>
<td>0.01</td>
<td>0.09</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>61.241</td>
<td></td>
<td>8.9</td>
<td>7.596</td>
<td>0.56</td>
<td>0.00</td>
<td>0.01</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Wt(s) (mg)</th>
<th>Wt(Xyl) (mg)</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>% (o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>8.044</td>
<td></td>
<td>702.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>15.197</td>
<td></td>
<td>57712.8</td>
<td>1.889</td>
<td>0.97</td>
<td>8.46</td>
<td>63.24</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>35.107</td>
<td></td>
<td>338.5</td>
<td>4.364</td>
<td>0.76</td>
<td>0.06</td>
<td>0.47</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.653</td>
<td></td>
<td>274.2</td>
<td>4.805</td>
<td>0.72</td>
<td>0.05</td>
<td>0.40</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.352</td>
<td></td>
<td>375.3</td>
<td>4.892</td>
<td>0.8</td>
<td>0.07</td>
<td>0.50</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.542</td>
<td></td>
<td>1376.3</td>
<td>4.916</td>
<td>0.8</td>
<td>0.24</td>
<td>1.83</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.801</td>
<td></td>
<td>906.5</td>
<td>4.948</td>
<td>0.8</td>
<td>0.16</td>
<td>1.20</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.975</td>
<td></td>
<td>1408.4</td>
<td>4.970</td>
<td>0.8</td>
<td>0.25</td>
<td>1.87</td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.38</td>
<td></td>
<td>485.6</td>
<td>5.020</td>
<td>1.43</td>
<td>0.05</td>
<td>0.36</td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.989</td>
<td></td>
<td>190.8</td>
<td>5.096</td>
<td>0.44</td>
<td>0.06</td>
<td>0.46</td>
<td></td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>41.191</td>
<td></td>
<td>120.1</td>
<td>5.121</td>
<td>0.52</td>
<td>0.03</td>
<td>0.25</td>
<td></td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
<td>% (o)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>--------------------------------------</td>
<td>------------</td>
<td>------</td>
<td>-----</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>8.101</td>
<td>1883.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.904</td>
<td>323484.6</td>
<td>1.963</td>
<td>0.97</td>
<td>17.68</td>
<td>117.18</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>35.143</td>
<td>1168.6</td>
<td>4.338</td>
<td>0.76</td>
<td>0.08</td>
<td>0.54</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.299</td>
<td>221.4</td>
<td>4.604</td>
<td>0.92</td>
<td>0.01</td>
<td>0.08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.729</td>
<td>923</td>
<td>4.781</td>
<td>0.72</td>
<td>0.07</td>
<td>0.45</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.384</td>
<td>1036.5</td>
<td>4.862</td>
<td>0.8</td>
<td>0.07</td>
<td>0.46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.614</td>
<td>3321</td>
<td>4.890</td>
<td>0.8</td>
<td>0.22</td>
<td>1.46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.859</td>
<td>1408.7</td>
<td>4.920</td>
<td>0.8</td>
<td>0.09</td>
<td>0.62</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>40.098</td>
<td>5488.1</td>
<td>4.950</td>
<td>0.8</td>
<td>0.36</td>
<td>2.41</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.435</td>
<td>1695.6</td>
<td>4.991</td>
<td>1.43</td>
<td>0.06</td>
<td>0.42</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>41.023</td>
<td>757.7</td>
<td>5.064</td>
<td>0.44</td>
<td>0.09</td>
<td>0.61</td>
<td></td>
<td></td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>41.25</td>
<td>419.5</td>
<td>5.092</td>
<td>0.52</td>
<td>0.04</td>
<td>0.28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.629</td>
<td>854.9</td>
<td>5.139</td>
<td>0.68</td>
<td>0.15</td>
<td>0.98</td>
<td>2547.8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.939</td>
<td>1046.4</td>
<td>5.177</td>
<td>0.68</td>
<td>0.15</td>
<td>0.98</td>
<td>-646.5</td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>52.241</td>
<td>31.4</td>
<td>6.449</td>
<td>0.65</td>
<td>0.00</td>
<td>0.02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td>52.462</td>
<td>233.1</td>
<td>6.476</td>
<td>0.44</td>
<td>0.03</td>
<td>0.19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>53.214</td>
<td>1216.2</td>
<td>6.569</td>
<td>0.55</td>
<td>0.12</td>
<td>0.78</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.771</td>
<td>71</td>
<td>6.638</td>
<td>0.56</td>
<td>0.01</td>
<td>0.04</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.56</td>
<td>137</td>
<td>7.107</td>
<td>0.55</td>
<td>0.03</td>
<td>0.19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>60.131</td>
<td>180.6</td>
<td>7.423</td>
<td>0.55</td>
<td>0.02</td>
<td>0.12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>61.243</td>
<td>13.7</td>
<td>7.560</td>
<td>0.56</td>
<td>0.00</td>
<td>0.01</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>% (o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>8.065</td>
<td>1296.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.454</td>
<td>135441.8</td>
<td>1.916</td>
<td>0.97</td>
<td>10.77</td>
<td>75.02</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>35.114</td>
<td>520.7</td>
<td>4.354</td>
<td>0.76</td>
<td>0.05</td>
<td>0.37</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.289</td>
<td>155</td>
<td>4.624</td>
<td>0.92</td>
<td>0.01</td>
<td>0.09</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.684</td>
<td>385.4</td>
<td>4.797</td>
<td>0.72</td>
<td>0.04</td>
<td>0.29</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.338</td>
<td>479.7</td>
<td>4.878</td>
<td>0.8</td>
<td>0.05</td>
<td>0.32</td>
</tr>
<tr>
<td></td>
<td>Peak</td>
<td>Sugar</td>
<td>Wt(s) (mg)</td>
<td>16.33</td>
<td>Wt(Xyl) (mg)</td>
<td>0.09983</td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>-----------</td>
<td>----------------</td>
<td>------------</td>
<td>-------</td>
<td>--------------</td>
<td>---------</td>
<td></td>
</tr>
<tr>
<td></td>
<td>IS</td>
<td>Xylitol</td>
<td>7.981</td>
<td>1790.6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.505</td>
<td>213294.3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td></td>
<td>34.705</td>
<td>431.7</td>
<td>4.348</td>
<td>0.76</td>
<td>0.03</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td></td>
<td>36.868</td>
<td>107.9</td>
<td>4.619</td>
<td>0.92</td>
<td>0.01</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td></td>
<td>38.3</td>
<td>806.9</td>
<td>4.799</td>
<td>0.72</td>
<td>0.06</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td></td>
<td>38.932</td>
<td>420.5</td>
<td>4.878</td>
<td>0.8</td>
<td>0.03</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td></td>
<td>39.135</td>
<td>1228</td>
<td>4.904</td>
<td>0.8</td>
<td>0.14</td>
</tr>
<tr>
<td>F</td>
<td>Nigerose+Turanose1</td>
<td></td>
<td>39.153</td>
<td>840.1</td>
<td>4.906</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td></td>
<td>39.575</td>
<td>1861.7</td>
<td>4.959</td>
<td>0.8</td>
<td>0.23</td>
</tr>
<tr>
<td></td>
<td>Maltose+Maltulose2</td>
<td>39.591</td>
<td>1369</td>
<td>4.961</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>-------------------</td>
<td>--------</td>
<td>------</td>
<td>-------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.97</td>
<td>1236.7</td>
<td>5.008</td>
<td>1.43</td>
<td>0.05</td>
<td>0.30</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.572</td>
<td>313.1</td>
<td>5.084</td>
<td>0.44</td>
<td>0.04</td>
<td>0.24</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.82</td>
<td>130.8</td>
<td>5.115</td>
<td>0.52</td>
<td>0.01</td>
<td>0.09</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.179</td>
<td>219.4</td>
<td>5.160</td>
<td>0.68</td>
<td>0.05</td>
<td>0.33</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.484</td>
<td>434.2</td>
<td>5.198</td>
<td>-0.3</td>
<td>-202.4</td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td>52.055</td>
<td>71.9</td>
<td>6.522</td>
<td>0.44</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.793</td>
<td>449.7</td>
<td>6.615</td>
<td>0.55</td>
<td>0.05</td>
<td>0.28</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.079</td>
<td>128.9</td>
<td>7.152</td>
<td>0.55</td>
<td>0.01</td>
<td>0.08</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.624</td>
<td>84.9</td>
<td>7.471</td>
<td>0.55</td>
<td>0.01</td>
<td>0.05</td>
</tr>
<tr>
<td><strong>107#2</strong></td>
<td><strong>Wt(s) (mg)</strong></td>
<td><strong>16.84</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Wt(Xyl) (mg)</strong></td>
<td><strong>0.09988</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
<td>%(o)</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.971</td>
<td>1590.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.426</td>
<td>196312.9</td>
<td>1.935</td>
<td>0.97</td>
<td>12.71</td>
<td>75.48</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.711</td>
<td>418.6</td>
<td>4.355</td>
<td>0.76</td>
<td>0.03</td>
<td>0.21</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.869</td>
<td>97.4</td>
<td>4.625</td>
<td>0.92</td>
<td>0.01</td>
<td>0.04</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.296</td>
<td>767.1</td>
<td>4.804</td>
<td>0.72</td>
<td>0.07</td>
<td>0.40</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.937</td>
<td>923.1</td>
<td>4.885</td>
<td>0.8</td>
<td>0.07</td>
<td>0.43</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.132</td>
<td>2192.7</td>
<td>4.909</td>
<td>0.8</td>
<td>0.17</td>
<td>1.02</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.393</td>
<td>1269.2</td>
<td>4.942</td>
<td>0.8</td>
<td>0.10</td>
<td>0.59</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.577</td>
<td>3017</td>
<td>4.965</td>
<td>0.8</td>
<td>0.24</td>
<td>1.41</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.962</td>
<td>1382</td>
<td>5.013</td>
<td>1.43</td>
<td>0.06</td>
<td>0.36</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.576</td>
<td>445.9</td>
<td>5.090</td>
<td>0.44</td>
<td>0.06</td>
<td>0.38</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.823</td>
<td>253.8</td>
<td>5.121</td>
<td>0.52</td>
<td>0.03</td>
<td>0.18</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.179</td>
<td>371.6</td>
<td>5.166</td>
<td>0.68</td>
<td>0.08</td>
<td>0.50</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.484</td>
<td>533.4</td>
<td>5.204</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td>52.055</td>
<td>50.6</td>
<td>6.530</td>
<td>0.44</td>
<td>0.01</td>
<td>0.04</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.78</td>
<td>421.6</td>
<td>6.622</td>
<td>0.55</td>
<td>0.05</td>
<td>0.29</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.36</td>
<td>31.4</td>
<td>6.694</td>
<td>0.56</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.081</td>
<td>112.8</td>
<td>7.161</td>
<td>0.55</td>
<td>0.01</td>
<td>0.08</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.64</td>
<td>97.2</td>
<td>7.482</td>
<td>0.55</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td><strong>107#3</strong></td>
<td><strong>Wt(s) (mg)</strong></td>
<td><strong>16.09</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Wt(Xyl) (mg)</strong></td>
<td><strong>0.09995</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
<td>%(o)</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.948</td>
<td>1165.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.297</td>
<td>165722.4</td>
<td>1.925</td>
<td>0.97</td>
<td>14.65</td>
<td>91.07</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.695</td>
<td>310.6</td>
<td>4.365</td>
<td>0.76</td>
<td>0.04</td>
<td>0.22</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.861</td>
<td>138.2</td>
<td>4.638</td>
<td>0.92</td>
<td>0.01</td>
<td>0.08</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.291</td>
<td>637.5</td>
<td>4.818</td>
<td>0.72</td>
<td>0.08</td>
<td>0.47</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.989</td>
<td>945.6</td>
<td>4.906</td>
<td>0.8</td>
<td>0.10</td>
<td>0.63</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wt(s) (mg)</td>
<td>Wt(Xyl) (mg)</td>
<td>Peak Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
</tr>
<tr>
<td>----</td>
<td>------------</td>
<td>------------</td>
<td>--------------</td>
<td>------------</td>
<td>------------</td>
<td>------</td>
<td>-----</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.123</td>
<td>2459.2</td>
<td>4.922</td>
<td>0.8</td>
<td>0.26</td>
<td>1.64</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.406</td>
<td>1510.1</td>
<td>4.958</td>
<td>0.8</td>
<td>0.16</td>
<td>1.01</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.58</td>
<td>2766</td>
<td>4.980</td>
<td>0.8</td>
<td>0.30</td>
<td>1.84</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.972</td>
<td>1136.7</td>
<td>5.029</td>
<td>1.43</td>
<td>0.07</td>
<td>0.42</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.579</td>
<td>340.1</td>
<td>5.106</td>
<td>0.44</td>
<td>0.07</td>
<td>0.41</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.82</td>
<td>173</td>
<td>5.136</td>
<td>0.52</td>
<td>0.03</td>
<td>0.18</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.179</td>
<td>278.5</td>
<td>5.181</td>
<td>0.68</td>
<td>0.08</td>
<td>0.52</td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td>52.05</td>
<td>46.3</td>
<td>6.549</td>
<td>0.44</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.778</td>
<td>362.7</td>
<td>6.640</td>
<td>0.55</td>
<td>0.06</td>
<td>0.35</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.358</td>
<td>43.4</td>
<td>6.713</td>
<td>0.56</td>
<td>0.01</td>
<td>0.04</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.077</td>
<td>102.3</td>
<td>7.181</td>
<td>0.55</td>
<td>0.02</td>
<td>0.10</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.611</td>
<td>81.4</td>
<td>7.500</td>
<td>0.55</td>
<td>0.01</td>
<td>0.08</td>
</tr>
</tbody>
</table>

115#1

<table>
<thead>
<tr>
<th></th>
<th>Wt(s) (mg)</th>
<th>13.33</th>
</tr>
</thead>
</table>

115#2

<table>
<thead>
<tr>
<th></th>
<th>Wt(s) (mg)</th>
<th>16.26</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Xylitol</th>
<th>8.048</th>
<th>3933.6</th>
</tr>
</thead>
</table>

Peak Sugar | Time (min) | Area | RRT | RF(o) | Wt(o) | % (o) |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>8.048</td>
<td>3933.6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.758</td>
<td>280048.1</td>
<td>1.958</td>
<td>0.97</td>
<td>7.33</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.975</td>
<td>569.5</td>
<td>4.346</td>
<td>0.76</td>
<td>0.02</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.014</td>
<td>690.3</td>
<td>4.599</td>
<td>0.92</td>
<td>0.02</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.572</td>
<td>239.9</td>
<td>4.793</td>
<td>0.72</td>
<td>0.01</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.222</td>
<td>612.6</td>
<td>4.874</td>
<td>0.8</td>
<td>0.02</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.43</td>
<td>3382.4</td>
<td>4.899</td>
<td>0.8</td>
<td>0.11</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.671</td>
<td>2620.3</td>
<td>4.929</td>
<td>0.8</td>
<td>0.08</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.865</td>
<td>2007.2</td>
<td>4.953</td>
<td>0.8</td>
<td>0.06</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.284</td>
<td>966.1</td>
<td>5.005</td>
<td>1.43</td>
<td>0.02</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.892</td>
<td>392.8</td>
<td>5.081</td>
<td>0.44</td>
<td>0.02</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>41.089</td>
<td>69.1</td>
<td>5.105</td>
<td>0.52</td>
<td>0.00</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.47</td>
<td>135.5</td>
<td>5.153</td>
<td>0.68</td>
<td>0.02</td>
</tr>
<tr>
<td>L</td>
<td>Palatinose2</td>
<td>41.778</td>
<td>301.4</td>
<td>5.191</td>
<td>0.68</td>
<td>0.02</td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>49.401</td>
<td>7.4</td>
<td>6.138</td>
<td>0.65</td>
<td>0.00</td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td>49.653</td>
<td>26.4</td>
<td>6.170</td>
<td>0.44</td>
<td>0.00</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>50.418</td>
<td>1141.1</td>
<td>6.265</td>
<td>0.55</td>
<td>0.05</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.034</td>
<td>495.8</td>
<td>6.590</td>
<td>0.56</td>
<td>0.02</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.357</td>
<td>214.9</td>
<td>7.127</td>
<td>0.55</td>
<td>0.01</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.931</td>
<td>17.4</td>
<td>7.447</td>
<td>0.55</td>
<td>0.00</td>
</tr>
</tbody>
</table>

115#2

<table>
<thead>
<tr>
<th></th>
<th>Wt(s) (mg)</th>
<th>16.26</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Wt(s) (mg)</th>
<th>16.26</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Xylitol</th>
<th>8.048</th>
<th>3933.6</th>
</tr>
</thead>
</table>

Peak Sugar | Time (min) | Area | RRT | RF(o) | Wt(o) | % (o) |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>8.048</td>
<td>3933.6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.223</td>
<td>100327.5</td>
<td>1.900</td>
<td>0.97</td>
<td>6.48</td>
</tr>
<tr>
<td></td>
<td>Sugar</td>
<td>Wt(s) (mg)</td>
<td>Wt(Xyl)(mg)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
</tr>
<tr>
<td>----</td>
<td>------------------------------</td>
<td>------------</td>
<td>-------------</td>
<td>---------</td>
<td>-----</td>
<td>-------</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.993</td>
<td>933.3</td>
<td>4.367</td>
<td>0.76</td>
<td>0.08</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.518</td>
<td>750.7</td>
<td>4.682</td>
<td>0.92</td>
<td>0.05</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.54</td>
<td>718.8</td>
<td>4.810</td>
<td>0.72</td>
<td>0.06</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.27</td>
<td>823.2</td>
<td>4.901</td>
<td>0.8</td>
<td>0.06</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.408</td>
<td>1570.8</td>
<td>4.918</td>
<td>0.8</td>
<td>0.12</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.437</td>
<td>1879.2</td>
<td>4.922</td>
<td>0.8</td>
<td>0.15</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.668</td>
<td>2312.5</td>
<td>4.950</td>
<td>0.8</td>
<td>0.18</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.261</td>
<td>563.3</td>
<td>5.024</td>
<td>0.8</td>
<td>0.02</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.891</td>
<td>245</td>
<td>5.103</td>
<td>0.44</td>
<td>0.03</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.506</td>
<td>238.2</td>
<td>5.180</td>
<td>0.68</td>
<td>0.05</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.792</td>
<td>281</td>
<td>5.216</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>52.101</td>
<td>38.9</td>
<td>6.502</td>
<td>0.65</td>
<td>0.00</td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td>52.321</td>
<td>164.7</td>
<td>6.530</td>
<td>0.44</td>
<td>0.02</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>53.084</td>
<td>2027.7</td>
<td>6.625</td>
<td>0.55</td>
<td>0.23</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.618</td>
<td>131.3</td>
<td>6.691</td>
<td>0.56</td>
<td>0.01</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.391</td>
<td>176</td>
<td>7.162</td>
<td>0.55</td>
<td>0.02</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.922</td>
<td>24.6</td>
<td>7.478</td>
<td>0.55</td>
<td>0.00</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>8.047</td>
<td>3318.1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.801</td>
<td>313959.7</td>
<td>1.964</td>
<td>0.97</td>
<td>9.75</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.983</td>
<td>1065.7</td>
<td>4.347</td>
<td>0.76</td>
<td>0.04</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.313</td>
<td>90.2</td>
<td>4.637</td>
<td>0.92</td>
<td>0.00</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.537</td>
<td>388.2</td>
<td>4.789</td>
<td>0.72</td>
<td>0.02</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.198</td>
<td>604.1</td>
<td>4.871</td>
<td>0.8</td>
<td>0.02</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.429</td>
<td>2753.6</td>
<td>4.900</td>
<td>0.8</td>
<td>0.10</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.679</td>
<td>1542.1</td>
<td>4.931</td>
<td>0.8</td>
<td>0.06</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.887</td>
<td>4029.8</td>
<td>4.957</td>
<td>0.8</td>
<td>0.15</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.231</td>
<td>1030.6</td>
<td>5.000</td>
<td>1.43</td>
<td>0.02</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.849</td>
<td>461.2</td>
<td>5.076</td>
<td>0.44</td>
<td>0.03</td>
</tr>
<tr>
<td>J</td>
<td>Gentiose</td>
<td>41.072</td>
<td>93</td>
<td>5.104</td>
<td>0.52</td>
<td>0.01</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.446</td>
<td>424.7</td>
<td>5.150</td>
<td>0.68</td>
<td>0.04</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.752</td>
<td>513.2</td>
<td>5.189</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>52.078</td>
<td>34</td>
<td>6.472</td>
<td>0.65</td>
<td>0.00</td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td>52.309</td>
<td>202.1</td>
<td>6.500</td>
<td>0.44</td>
<td>0.01</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>53.09</td>
<td>2689.1</td>
<td>6.597</td>
<td>0.55</td>
<td>0.15</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>56.63</td>
<td>29.2</td>
<td>7.037</td>
<td>0.56</td>
<td>0.00</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.392</td>
<td>256.1</td>
<td>7.132</td>
<td>0.55</td>
<td>0.01</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.923</td>
<td>128.4</td>
<td>7.447</td>
<td>0.55</td>
<td>0.01</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>61.045</td>
<td>3.8</td>
<td>7.586</td>
<td>0.56</td>
<td>0.00</td>
</tr>
</tbody>
</table>
**Honey results for China (adulterated)**

<table>
<thead>
<tr>
<th>20#1</th>
<th><strong>Wt(s) (mg)</strong></th>
<th><strong>12.00</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Wt(Xyl) (mg)</strong></td>
<td><strong>0.09983</strong></td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.914</td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>15.277</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.105</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.507</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.955</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.103</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.289</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.715</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.133</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.755</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>41.008</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.368</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.672</td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>52.034</td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>52.254</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.961</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.793</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.314</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.861</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>20#2</th>
<th><strong>Wt(s) (mg)</strong></th>
<th><strong>17.44</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Wt(Xyl) (mg)</strong></td>
<td><strong>0.09988</strong></td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.914</td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>15.349</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.098</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.521</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.954</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.104</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.307</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.731</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.132</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.744</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>41.007</td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
</tr>
<tr>
<td>------</td>
<td>-------</td>
<td>------------</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.922</td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.288</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>35.409</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.085</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.501</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.964</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.108</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.293</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose</td>
<td>39.726</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.14</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.746</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.999</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.372</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.665</td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>52.036</td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>52.24</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.969</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.807</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.315</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.847</td>
</tr>
<tr>
<td>20#3</td>
<td>Wt(s) (mg)</td>
<td>13.56</td>
</tr>
<tr>
<td></td>
<td>Wt(Xyl) (mg)</td>
<td>0.09995</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.922</td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.23</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>35.509</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.093</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.52</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.121</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.32</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.56</td>
</tr>
<tr>
<td>---</td>
<td>---------------------</td>
<td>-------</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.74</td>
</tr>
<tr>
<td>H</td>
<td>Kojiobiose</td>
<td>40.158</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.763</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>41.027</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.399</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.683</td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>52.033</td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>52.256</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>53.208</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.791</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.279</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.837</td>
</tr>
<tr>
<td></td>
<td><strong>Wt(s) (mg)</strong></td>
<td><strong>15.14</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Wt(Xyl) (mg)</strong></td>
<td><strong>0.09988</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>% (o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.913</td>
<td>2028.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.202</td>
<td>139669.5</td>
<td>1.921</td>
<td>0.97</td>
<td>7.09</td>
<td>46.82</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>35.437</td>
<td>62826.1</td>
<td>4.478</td>
<td>0.76</td>
<td>4.07</td>
<td>26.88</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.045</td>
<td>726.3</td>
<td>4.682</td>
<td>0.92</td>
<td>0.04</td>
<td>0.26</td>
</tr>
<tr>
<td>C</td>
<td>Celllobiose</td>
<td>38.775</td>
<td>533.8</td>
<td>4.900</td>
<td>0.72</td>
<td>0.04</td>
<td>0.24</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.119</td>
<td>662.3</td>
<td>4.944</td>
<td>0.8</td>
<td>0.04</td>
<td>0.27</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.301</td>
<td>855.4</td>
<td>4.967</td>
<td>0.8</td>
<td>0.05</td>
<td>0.35</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.555</td>
<td>606.6</td>
<td>4.999</td>
<td>0.8</td>
<td>0.04</td>
<td>0.25</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.742</td>
<td>1066.7</td>
<td>5.022</td>
<td>0.8</td>
<td>0.07</td>
<td>0.43</td>
</tr>
<tr>
<td>H</td>
<td>Kojiobiose</td>
<td>40.155</td>
<td>398.2</td>
<td>5.075</td>
<td>1.43</td>
<td>0.01</td>
<td>0.09</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.761</td>
<td>255.5</td>
<td>5.151</td>
<td>0.44</td>
<td>0.03</td>
<td>0.19</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>41.008</td>
<td>307.1</td>
<td>5.182</td>
<td>0.52</td>
<td>0.03</td>
<td>0.19</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.388</td>
<td>222.9</td>
<td>5.230</td>
<td>0.68</td>
<td>0.03</td>
<td>0.18</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.674</td>
<td>147.3</td>
<td>5.267</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>52.023</td>
<td>228.8</td>
<td>6.574</td>
<td>0.65</td>
<td>0.02</td>
<td>0.11</td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>52.246</td>
<td>133.2</td>
<td>6.603</td>
<td>0.44</td>
<td>0.01</td>
<td>0.10</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>53.2</td>
<td>959</td>
<td>6.723</td>
<td>0.55</td>
<td>0.09</td>
<td>0.57</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.807</td>
<td>36.8</td>
<td>6.800</td>
<td>0.56</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.298</td>
<td>24.6</td>
<td>7.241</td>
<td>0.55</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.829</td>
<td>7.3</td>
<td>7.561</td>
<td>0.55</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td></td>
<td><strong>Wt(s) (mg)</strong></td>
<td><strong>16.77</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Wt(Xyl) (mg)</strong></td>
<td><strong>0.09995</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>% (o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.912</td>
<td>1766.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>15.131</td>
<td>108432.5</td>
<td>1.912</td>
<td>0.97</td>
<td>6.32</td>
<td>37.71</td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
<td>%(o)</td>
</tr>
<tr>
<td>------</td>
<td>----------------------</td>
<td>------------</td>
<td>--------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>8.051</td>
<td>4385.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>10.714</td>
<td>1295.8</td>
<td>1.331</td>
<td>0.97</td>
<td>0.03</td>
<td>0.13</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>14.858</td>
<td>16262.3</td>
<td>1.845</td>
<td>0.76</td>
<td>0.49</td>
<td>2.11</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.489</td>
<td>1293.8</td>
<td>4.905</td>
<td>0.8</td>
<td>0.04</td>
<td>0.16</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.707</td>
<td>1327.3</td>
<td>4.932</td>
<td>0.8</td>
<td>0.04</td>
<td>0.16</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.892</td>
<td>3453.9</td>
<td>4.955</td>
<td>0.8</td>
<td>0.10</td>
<td>0.43</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.42</td>
<td>1219.5</td>
<td>5.145</td>
<td>0.68</td>
<td>0.09</td>
<td>0.41</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.771</td>
<td>1593.6</td>
<td>5.188</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>52.031</td>
<td>274</td>
<td>6.576</td>
<td>0.65</td>
<td>0.02</td>
<td>0.14</td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>52.239</td>
<td>156.1</td>
<td>6.603</td>
<td>0.44</td>
<td>0.02</td>
<td>0.12</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>53.225</td>
<td>1758.2</td>
<td>6.727</td>
<td>0.55</td>
<td>0.18</td>
<td>1.08</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.806</td>
<td>58.5</td>
<td>6.801</td>
<td>0.56</td>
<td>0.01</td>
<td>0.04</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.285</td>
<td>16.4</td>
<td>7.240</td>
<td>0.55</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.816</td>
<td>4.2</td>
<td>7.560</td>
<td>0.55</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>61.011</td>
<td>14.6</td>
<td>7.578</td>
<td>0.56</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>78#3</td>
<td>Wt(s) (mg)</td>
<td>24.12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wt(Xyl) (mg)</td>
<td>0.09995</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.992</td>
<td>3308.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>14.75</td>
<td>8255.5</td>
<td>1.846</td>
<td>0.97</td>
<td>0.26</td>
<td>1.07</td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Wt(s) (mg)</td>
<td>Wt(Xyl) (mg)</td>
<td>Wt(s) (mg)</td>
<td>Wt(Xyl) (mg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>---------------------------</td>
<td>------------</td>
<td>--------------</td>
<td>------------</td>
<td>--------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.959</td>
<td>1110.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Raffinose</td>
<td>39.807</td>
<td>1359.4</td>
<td>4.981</td>
<td>0.8</td>
<td>0.05</td>
<td>0.21</td>
</tr>
<tr>
<td>A</td>
<td>Maltose+Maltulose2</td>
<td>41.39</td>
<td>434.9</td>
<td>5.179</td>
<td>0.68</td>
<td>0.04</td>
<td>0.15</td>
</tr>
<tr>
<td>B</td>
<td>Palatinose1</td>
<td>41.733</td>
<td>397.9</td>
<td>5.222</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Palatinose2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Raffinose</td>
<td>52.078</td>
<td>396.1</td>
<td>6.516</td>
<td>0.65</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>E</td>
<td>Kestose</td>
<td>52.299</td>
<td>271.1</td>
<td>6.544</td>
<td>0.44</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>F</td>
<td>Erlose</td>
<td>53.228</td>
<td>77.9</td>
<td>6.660</td>
<td>0.55</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>G</td>
<td>Melezitose</td>
<td>53.84</td>
<td>18.4</td>
<td>6.737</td>
<td>0.56</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>H</td>
<td>Maltostriose</td>
<td>57.355</td>
<td>57.5</td>
<td>7.177</td>
<td>0.55</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>I</td>
<td>Palatinose1</td>
<td>41.186</td>
<td>248.8</td>
<td>5.175</td>
<td>0.68</td>
<td>0.09</td>
<td>0.48</td>
</tr>
<tr>
<td>J</td>
<td>Palatinose2</td>
<td>41.481</td>
<td>451</td>
<td>5.212</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>Palatinose2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L</td>
<td>Raffinose</td>
<td>51.828</td>
<td>153.7</td>
<td>6.512</td>
<td>0.65</td>
<td>0.02</td>
<td>0.11</td>
</tr>
<tr>
<td>M</td>
<td>Kestose</td>
<td>52.038</td>
<td>90.7</td>
<td>6.538</td>
<td>0.44</td>
<td>0.02</td>
<td>0.10</td>
</tr>
<tr>
<td>N</td>
<td>Erlose</td>
<td>52.767</td>
<td>355</td>
<td>6.630</td>
<td>0.55</td>
<td>0.06</td>
<td>0.30</td>
</tr>
<tr>
<td>O</td>
<td>Melezitose</td>
<td>53.447</td>
<td>63.3</td>
<td>6.715</td>
<td>0.56</td>
<td>0.01</td>
<td>0.05</td>
</tr>
<tr>
<td>P</td>
<td>Maltotriose</td>
<td>57.063</td>
<td>68.1</td>
<td>7.170</td>
<td>0.55</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>Q</td>
<td>Palatinose1</td>
<td>41.186</td>
<td>248.8</td>
<td>5.175</td>
<td>0.68</td>
<td>0.09</td>
<td>0.48</td>
</tr>
<tr>
<td>R</td>
<td>Palatinose2</td>
<td>41.481</td>
<td>451</td>
<td>5.212</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>Raffinose</td>
<td>51.828</td>
<td>153.7</td>
<td>6.512</td>
<td>0.65</td>
<td>0.02</td>
<td>0.11</td>
</tr>
<tr>
<td>T</td>
<td>Kestose</td>
<td>52.038</td>
<td>90.7</td>
<td>6.538</td>
<td>0.44</td>
<td>0.02</td>
<td>0.10</td>
</tr>
<tr>
<td>U</td>
<td>Erlose</td>
<td>52.767</td>
<td>355</td>
<td>6.630</td>
<td>0.55</td>
<td>0.06</td>
<td>0.30</td>
</tr>
<tr>
<td>V</td>
<td>Melezitose</td>
<td>53.447</td>
<td>63.3</td>
<td>6.715</td>
<td>0.56</td>
<td>0.01</td>
<td>0.05</td>
</tr>
<tr>
<td>W</td>
<td>Maltotriose</td>
<td>57.063</td>
<td>68.1</td>
<td>7.170</td>
<td>0.55</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>X</td>
<td>Palatinose1</td>
<td>41.186</td>
<td>248.8</td>
<td>5.175</td>
<td>0.68</td>
<td>0.09</td>
<td>0.48</td>
</tr>
<tr>
<td>Y</td>
<td>Palatinose2</td>
<td>41.481</td>
<td>451</td>
<td>5.212</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Z</td>
<td>Raffinose</td>
<td>51.828</td>
<td>153.7</td>
<td>6.512</td>
<td>0.65</td>
<td>0.02</td>
<td>0.11</td>
</tr>
<tr>
<td>[</td>
<td>Kestose</td>
<td>52.038</td>
<td>90.7</td>
<td>6.538</td>
<td>0.44</td>
<td>0.02</td>
<td>0.10</td>
</tr>
<tr>
<td>\</td>
<td>Erlose</td>
<td>52.767</td>
<td>355</td>
<td>6.630</td>
<td>0.55</td>
<td>0.06</td>
<td>0.30</td>
</tr>
<tr>
<td>\</td>
<td>Melezitose</td>
<td>53.447</td>
<td>63.3</td>
<td>6.715</td>
<td>0.56</td>
<td>0.01</td>
<td>0.05</td>
</tr>
<tr>
<td>\</td>
<td>Maltotriose</td>
<td>57.063</td>
<td>68.1</td>
<td>7.170</td>
<td>0.55</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>\</td>
<td>Palatinose1</td>
<td>41.186</td>
<td>248.8</td>
<td>5.175</td>
<td>0.68</td>
<td>0.09</td>
<td>0.48</td>
</tr>
<tr>
<td>\</td>
<td>Palatinose2</td>
<td>41.481</td>
<td>451</td>
<td>5.212</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
<td>%(o)</td>
</tr>
<tr>
<td>------</td>
<td>------------------------------</td>
<td>------------</td>
<td>---------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>8.053</td>
<td>3009.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.349</td>
<td>132815.6</td>
<td>1.906</td>
<td>0.97</td>
<td>4.54</td>
<td>26.84</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>35.753</td>
<td>112152.7</td>
<td>4.440</td>
<td>0.76</td>
<td>4.90</td>
<td>28.93</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.695</td>
<td>1069.6</td>
<td>4.681</td>
<td>0.92</td>
<td>0.04</td>
<td>0.23</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.59</td>
<td>1786.8</td>
<td>4.792</td>
<td>0.72</td>
<td>0.08</td>
<td>0.49</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.254</td>
<td>842.3</td>
<td>4.874</td>
<td>0.8</td>
<td>0.03</td>
<td>0.21</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.487</td>
<td>3433.3</td>
<td>4.903</td>
<td>0.8</td>
<td>0.14</td>
<td>0.84</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.736</td>
<td>1951.8</td>
<td>4.934</td>
<td>0.8</td>
<td>0.08</td>
<td>0.48</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.922</td>
<td>3039.2</td>
<td>4.957</td>
<td>0.8</td>
<td>0.13</td>
<td>0.74</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.293</td>
<td>2141.1</td>
<td>5.003</td>
<td>1.43</td>
<td>0.05</td>
<td>0.29</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.898</td>
<td>1338.5</td>
<td>5.079</td>
<td>0.44</td>
<td>0.10</td>
<td>0.60</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>41.14</td>
<td>949.6</td>
<td>5.109</td>
<td>0.52</td>
<td>0.06</td>
<td>0.36</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.509</td>
<td>1551.8</td>
<td>5.154</td>
<td>0.68</td>
<td>0.16</td>
<td>0.92</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.821</td>
<td>1645</td>
<td>5.193</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>52.136</td>
<td>245.9</td>
<td>6.474</td>
<td>0.65</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>52.351</td>
<td>144.4</td>
<td>6.501</td>
<td>0.44</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>53.068</td>
<td>777.7</td>
<td>6.590</td>
<td>0.55</td>
<td>0.05</td>
<td>0.28</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.727</td>
<td>254.3</td>
<td>6.672</td>
<td>0.56</td>
<td>0.02</td>
<td>0.09</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.411</td>
<td>210.6</td>
<td>7.129</td>
<td>0.55</td>
<td>0.01</td>
<td>0.08</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.981</td>
<td>241.7</td>
<td>7.448</td>
<td>0.55</td>
<td>0.01</td>
<td>0.09</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>61.086</td>
<td>47.8</td>
<td>7.585</td>
<td>0.56</td>
<td>0.00</td>
<td>0.02</td>
</tr>
</tbody>
</table>

### 98#1

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%(o)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Wt(s) (mg)</td>
<td>16.92</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wt(Xyl) (mg)</td>
<td>0.09983</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 98#2

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%(o)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Wt(s) (mg)</td>
<td>14.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wt(Xyl) (mg)</td>
<td>0.09988</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>Sugar</td>
<td>Wt(s) (mg)</td>
<td>Wt(Xyl) (mg)</td>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
</tr>
<tr>
<td>------</td>
<td>------------------------</td>
<td>------------</td>
<td>--------------</td>
<td>--------</td>
<td>-------------</td>
<td>------------</td>
<td>-----------</td>
</tr>
<tr>
<td>Xylitol</td>
<td>8.061</td>
<td>3779.6</td>
<td></td>
<td></td>
<td>IS Xylitol</td>
<td>8.055</td>
<td>4614.8</td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>15.436</td>
<td>163594.7</td>
<td>1.915</td>
<td>0.97</td>
<td>4.46</td>
<td>30.95</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.717</td>
<td>787.5</td>
<td>4.679</td>
<td>0.92</td>
<td>0.02</td>
<td>0.16</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.613</td>
<td>1799.5</td>
<td>4.790</td>
<td>0.72</td>
<td>0.07</td>
<td>0.46</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.38</td>
<td>948.7</td>
<td>4.885</td>
<td>0.8</td>
<td>0.03</td>
<td>0.22</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.512</td>
<td>3630.2</td>
<td>4.902</td>
<td>0.8</td>
<td>0.12</td>
<td>0.83</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.756</td>
<td>2084.3</td>
<td>4.932</td>
<td>0.8</td>
<td>0.07</td>
<td>0.48</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.943</td>
<td>3326.5</td>
<td>4.955</td>
<td>0.8</td>
<td>0.11</td>
<td>0.76</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.324</td>
<td>2161.7</td>
<td>5.002</td>
<td>1.43</td>
<td>0.04</td>
<td>0.28</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.902</td>
<td>1351.6</td>
<td>5.074</td>
<td>0.44</td>
<td>0.08</td>
<td>0.56</td>
</tr>
<tr>
<td>J</td>
<td>Gentiosebiot</td>
<td>41.424</td>
<td>864.1</td>
<td>5.104</td>
<td>0.52</td>
<td>0.04</td>
<td>0.30</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.513</td>
<td>1709.9</td>
<td>5.150</td>
<td>0.68</td>
<td>0.14</td>
<td>0.95</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.84</td>
<td>1822.1</td>
<td>5.190</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>52.137</td>
<td>226.1</td>
<td>6.468</td>
<td>0.65</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>52.352</td>
<td>147</td>
<td>6.494</td>
<td>0.44</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>53.091</td>
<td>1152.9</td>
<td>6.586</td>
<td>0.55</td>
<td>0.06</td>
<td>0.38</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.728</td>
<td>258.2</td>
<td>6.665</td>
<td>0.56</td>
<td>0.01</td>
<td>0.08</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.397</td>
<td>184.5</td>
<td>7.120</td>
<td>0.55</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.986</td>
<td>292.6</td>
<td>7.442</td>
<td>0.55</td>
<td>0.01</td>
<td>0.10</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>61.082</td>
<td>50.4</td>
<td>7.577</td>
<td>0.56</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Wt(s) (mg)</td>
<td>Wt(Xyl) (mg)</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
</tr>
<tr>
<td>------</td>
<td>----------------------</td>
<td>------------</td>
<td>--------------</td>
<td>------------</td>
<td>----------</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.649</td>
<td>38.5</td>
<td>6.660</td>
<td>0.56</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.394</td>
<td>176.3</td>
<td>7.125</td>
<td>0.55</td>
<td>0.01</td>
<td>0.04</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.967</td>
<td>314.6</td>
<td>7.445</td>
<td>0.55</td>
<td>0.01</td>
<td>0.08</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>61.057</td>
<td>46.1</td>
<td>7.580</td>
<td>0.56</td>
<td>0.00</td>
<td>0.01</td>
</tr>
</tbody>
</table>

**99#2**

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Wt(s) (mg)</th>
<th>Wt(Xyl) (mg)</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%%(o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.998</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.202</td>
<td>85244.8</td>
<td>5.981</td>
<td>0.55</td>
<td>0.01</td>
<td>0.08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>35.623</td>
<td>81356.6</td>
<td>4.454</td>
<td>0.76</td>
<td>0.04</td>
<td>0.28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.563</td>
<td>1178.7</td>
<td>4.822</td>
<td>0.72</td>
<td>0.09</td>
<td>0.64</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.232</td>
<td>564.2</td>
<td>4.905</td>
<td>0.8</td>
<td>0.04</td>
<td>0.28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.46</td>
<td>2274.3</td>
<td>4.934</td>
<td>0.8</td>
<td>0.16</td>
<td>1.11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.696</td>
<td>1112.4</td>
<td>4.963</td>
<td>0.8</td>
<td>0.08</td>
<td>0.54</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.881</td>
<td>1934.8</td>
<td>4.986</td>
<td>0.8</td>
<td>0.14</td>
<td>0.95</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.268</td>
<td>1191.3</td>
<td>5.035</td>
<td>1.43</td>
<td>0.05</td>
<td>0.33</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.862</td>
<td>786.3</td>
<td>5.109</td>
<td>0.44</td>
<td>0.10</td>
<td>0.70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>J</td>
<td>Gentibiose</td>
<td>41.118</td>
<td>503.1</td>
<td>5.141</td>
<td>0.52</td>
<td>0.06</td>
<td>0.38</td>
<td></td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.491</td>
<td>823.4</td>
<td>5.188</td>
<td>0.68</td>
<td>0.15</td>
<td>1.02</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.795</td>
<td>940.7</td>
<td>5.226</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>52.122</td>
<td>164.7</td>
<td>6.517</td>
<td>0.65</td>
<td>0.01</td>
<td>0.10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>52.353</td>
<td>115.9</td>
<td>6.546</td>
<td>0.44</td>
<td>0.02</td>
<td>0.10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>53.067</td>
<td>622.4</td>
<td>6.635</td>
<td>0.55</td>
<td>0.07</td>
<td>0.44</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.727</td>
<td>262.8</td>
<td>6.718</td>
<td>0.56</td>
<td>0.03</td>
<td>0.18</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.402</td>
<td>86.5</td>
<td>7.177</td>
<td>0.55</td>
<td>0.01</td>
<td>0.06</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.959</td>
<td>147.9</td>
<td>7.497</td>
<td>0.55</td>
<td>0.02</td>
<td>0.11</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>61.06</td>
<td>25.7</td>
<td>7.634</td>
<td>0.56</td>
<td>0.00</td>
<td>0.02</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Honey results for India.**

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Wt(s) (mg)</th>
<th>Wt(Xyl) (mg)</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%%(o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.998</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.044</td>
<td>87558.8</td>
<td>1.911</td>
<td>0.97</td>
<td>9.24</td>
<td>61.43</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.842</td>
<td>263.5</td>
<td>4.426</td>
<td>0.76</td>
<td>0.02</td>
<td>0.13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.032</td>
<td>490.5</td>
<td>4.704</td>
<td>0.92</td>
<td>0.03</td>
<td>0.19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.433</td>
<td>1067.6</td>
<td>4.882</td>
<td>0.72</td>
<td>0.08</td>
<td>0.54</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.102</td>
<td>707</td>
<td>4.967</td>
<td>0.8</td>
<td>0.05</td>
<td>0.32</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.306</td>
<td>3071.8</td>
<td>4.993</td>
<td>0.8</td>
<td>0.21</td>
<td>1.39</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
<td>% (o)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>-------------------------</td>
<td>------------</td>
<td>-----------</td>
<td>--------</td>
<td>-------</td>
<td>-------</td>
<td>--------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.873</td>
<td>1818.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>Monosaccharides</td>
<td>15.09</td>
<td>104290.6</td>
<td>1.917</td>
<td>0.97</td>
<td>10.55</td>
<td>63.79</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>Monosaccharides</td>
<td>15.399</td>
<td>82089.4</td>
<td>1.956</td>
<td>0.97</td>
<td>10.55</td>
<td>63.79</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.821</td>
<td>58.3</td>
<td>4.423</td>
<td>0.76</td>
<td>0.00</td>
<td>0.03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.045</td>
<td>791</td>
<td>4.705</td>
<td>0.92</td>
<td>0.05</td>
<td>0.29</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.438</td>
<td>1300.3</td>
<td>4.882</td>
<td>0.72</td>
<td>0.10</td>
<td>0.60</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.088</td>
<td>786.5</td>
<td>4.965</td>
<td>0.8</td>
<td>0.05</td>
<td>0.33</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.317</td>
<td>3517.8</td>
<td>4.994</td>
<td>0.8</td>
<td>0.24</td>
<td>1.46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.561</td>
<td>1571.2</td>
<td>5.025</td>
<td>0.8</td>
<td>0.11</td>
<td>0.65</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.757</td>
<td>3899</td>
<td>5.050</td>
<td>0.8</td>
<td>0.27</td>
<td>1.62</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.146</td>
<td>2767.7</td>
<td>5.099</td>
<td>1.43</td>
<td>0.11</td>
<td>0.64</td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.732</td>
<td>1325.6</td>
<td>5.174</td>
<td>0.44</td>
<td>0.17</td>
<td>1.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.976</td>
<td>717.7</td>
<td>5.205</td>
<td>0.52</td>
<td>0.08</td>
<td>0.46</td>
<td></td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.356</td>
<td>1387.3</td>
<td>5.253</td>
<td>0.68</td>
<td>0.27</td>
<td>1.66</td>
<td></td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>Palatinose2</td>
<td>41.666</td>
<td>2009.8</td>
<td>5.292</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>52.189</td>
<td>24.2</td>
<td>6.629</td>
<td>0.44</td>
<td>0.00</td>
<td>0.02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.907</td>
<td>30.4</td>
<td>6.720</td>
<td>0.55</td>
<td>0.00</td>
<td>0.02</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.506</td>
<td>49.3</td>
<td>6.796</td>
<td>0.56</td>
<td>0.00</td>
<td>0.03</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.207</td>
<td>224.3</td>
<td>7.266</td>
<td>0.55</td>
<td>0.02</td>
<td>0.14</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.767</td>
<td>370.6</td>
<td>7.591</td>
<td>0.55</td>
<td>0.04</td>
<td>0.22</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>60.883</td>
<td>68.5</td>
<td>7.733</td>
<td>0.56</td>
<td>0.01</td>
<td>0.04</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**13#3**

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>% (o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.873</td>
<td>2031.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**13#2**

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>% (o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.873</td>
<td>1818.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>Monosaccharides</td>
<td>15.09</td>
<td>104290.6</td>
<td>1.917</td>
<td>0.97</td>
<td>10.55</td>
<td>63.79</td>
</tr>
<tr>
<td>IS</td>
<td>Monosaccharides</td>
<td>15.399</td>
<td>82089.4</td>
<td>1.956</td>
<td>0.97</td>
<td>10.55</td>
<td>63.79</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.821</td>
<td>58.3</td>
<td>4.423</td>
<td>0.76</td>
<td>0.00</td>
<td>0.03</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.045</td>
<td>791</td>
<td>4.705</td>
<td>0.92</td>
<td>0.05</td>
<td>0.29</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.438</td>
<td>1300.3</td>
<td>4.882</td>
<td>0.72</td>
<td>0.10</td>
<td>0.60</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.088</td>
<td>786.5</td>
<td>4.965</td>
<td>0.8</td>
<td>0.05</td>
<td>0.33</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.317</td>
<td>3517.8</td>
<td>4.994</td>
<td>0.8</td>
<td>0.24</td>
<td>1.46</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.561</td>
<td>1571.2</td>
<td>5.025</td>
<td>0.8</td>
<td>0.11</td>
<td>0.65</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.757</td>
<td>3899</td>
<td>5.050</td>
<td>0.8</td>
<td>0.27</td>
<td>1.62</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.146</td>
<td>2767.7</td>
<td>5.099</td>
<td>1.43</td>
<td>0.11</td>
<td>0.64</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.732</td>
<td>1325.6</td>
<td>5.174</td>
<td>0.44</td>
<td>0.17</td>
<td>1.00</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.976</td>
<td>717.7</td>
<td>5.205</td>
<td>0.52</td>
<td>0.08</td>
<td>0.46</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.356</td>
<td>1387.3</td>
<td>5.253</td>
<td>0.68</td>
<td>0.27</td>
<td>1.66</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose2</td>
<td>41.666</td>
<td>2009.8</td>
<td>5.292</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>52.189</td>
<td>24.2</td>
<td>6.629</td>
<td>0.44</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.907</td>
<td>30.4</td>
<td>6.720</td>
<td>0.55</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.506</td>
<td>49.3</td>
<td>6.796</td>
<td>0.56</td>
<td>0.00</td>
<td>0.03</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.207</td>
<td>224.3</td>
<td>7.266</td>
<td>0.55</td>
<td>0.02</td>
<td>0.14</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.767</td>
<td>370.6</td>
<td>7.591</td>
<td>0.55</td>
<td>0.04</td>
<td>0.22</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>60.883</td>
<td>68.5</td>
<td>7.733</td>
<td>0.56</td>
<td>0.01</td>
<td>0.04</td>
</tr>
</tbody>
</table>

**13#3**

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>% (o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.873</td>
<td>2031.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>Monosaccharides</td>
<td>15.029</td>
<td>110269.8</td>
<td>1.909</td>
<td>0.97</td>
<td>9.48</td>
</tr>
<tr>
<td>------</td>
<td>----------------</td>
<td>----------------</td>
<td>--------</td>
<td>-----------</td>
<td>-------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td></td>
<td>34.836</td>
<td>65.9</td>
<td>4.425</td>
<td>0.76</td>
<td>0.00</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td></td>
<td>37.067</td>
<td>543.3</td>
<td>4.708</td>
<td>0.92</td>
<td>0.03</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td></td>
<td>38.437</td>
<td>1255.2</td>
<td>4.882</td>
<td>0.72</td>
<td>0.09</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td></td>
<td>39.123</td>
<td>700.8</td>
<td>4.969</td>
<td>0.8</td>
<td>0.04</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td></td>
<td>39.321</td>
<td>4103.1</td>
<td>4.994</td>
<td>0.8</td>
<td>0.25</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td></td>
<td>39.564</td>
<td>1935.6</td>
<td>5.025</td>
<td>0.8</td>
<td>0.12</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td></td>
<td>39.77</td>
<td>3931.5</td>
<td>5.051</td>
<td>0.8</td>
<td>0.24</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td></td>
<td>40.159</td>
<td>2595.4</td>
<td>5.101</td>
<td>1.43</td>
<td>0.09</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td></td>
<td>40.732</td>
<td>1168</td>
<td>5.174</td>
<td>0.44</td>
<td>0.13</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td></td>
<td>40.98</td>
<td>690.1</td>
<td>5.205</td>
<td>0.52</td>
<td>0.07</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td></td>
<td>41.357</td>
<td>1329.6</td>
<td>5.253</td>
<td>0.68</td>
<td>0.22</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td></td>
<td>41.662</td>
<td>1702.1</td>
<td>5.292</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td></td>
<td>52.187</td>
<td>30.6</td>
<td>6.629</td>
<td>0.44</td>
<td>0.00</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td></td>
<td>52.901</td>
<td>34.2</td>
<td>6.719</td>
<td>0.55</td>
<td>0.00</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td></td>
<td>53.487</td>
<td>33.9</td>
<td>6.794</td>
<td>0.56</td>
<td>0.00</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td></td>
<td>57.221</td>
<td>248.5</td>
<td>7.268</td>
<td>0.55</td>
<td>0.02</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td></td>
<td>59.774</td>
<td>315.8</td>
<td>7.592</td>
<td>0.55</td>
<td>0.03</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td></td>
<td>60.875</td>
<td>44.6</td>
<td>7.732</td>
<td>0.56</td>
<td>0.00</td>
</tr>
</tbody>
</table>

### Peak Wt(s) (mg)  16.8

### Peak Wt(Xyl) (mg)  0.09983

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%o</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.891</td>
<td>2843</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td></td>
<td>15.338</td>
<td>181236.2</td>
<td>1.944</td>
<td>0.97</td>
<td>10.29</td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td></td>
<td>15.589</td>
<td>103095.4</td>
<td>1.976</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.829</td>
<td>81</td>
<td>4.414</td>
<td>0.76</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.086</td>
<td>315.1</td>
<td>4.700</td>
<td>0.92</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.457</td>
<td>1806.5</td>
<td>4.874</td>
<td>0.72</td>
<td>0.09</td>
<td>0.52</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td></td>
<td>39.09</td>
<td>859.8</td>
<td>4.954</td>
<td>0.8</td>
<td>0.04</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td></td>
<td>39.39</td>
<td>7273.3</td>
<td>4.992</td>
<td>0.8</td>
<td>0.32</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td></td>
<td>39.687</td>
<td>3908.4</td>
<td>5.029</td>
<td>0.8</td>
<td>0.17</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td></td>
<td>39.842</td>
<td>7648.9</td>
<td>5.049</td>
<td>0.8</td>
<td>0.34</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.214</td>
<td>4926.7</td>
<td>5.096</td>
<td>1.43</td>
<td>0.12</td>
<td>0.72</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.753</td>
<td>2163.2</td>
<td>5.164</td>
<td>0.44</td>
<td>0.17</td>
<td>1.03</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.992</td>
<td>735.9</td>
<td>5.195</td>
<td>0.52</td>
<td>0.05</td>
<td>0.30</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.38</td>
<td>2213.5</td>
<td>5.244</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.717</td>
<td>3839.6</td>
<td>5.287</td>
<td>0.68</td>
<td>0.31</td>
<td>1.86</td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>51.978</td>
<td>43.3</td>
<td>6.587</td>
<td>0.65</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>52.18</td>
<td>207.8</td>
<td>6.613</td>
<td>0.44</td>
<td>0.02</td>
<td>0.10</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.894</td>
<td>206.9</td>
<td>6.703</td>
<td>0.55</td>
<td>0.01</td>
<td>0.08</td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
<td>%(o)</td>
</tr>
<tr>
<td>------</td>
<td>-------------</td>
<td>------------</td>
<td>-----------</td>
<td>--------</td>
<td>-------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.883</td>
<td>2769.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.276</td>
<td>174391.8</td>
<td>1.938</td>
<td>0.97</td>
<td>10.54</td>
<td>61.20</td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td>15.545</td>
<td>108993</td>
<td>1.972</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.822</td>
<td>69.5</td>
<td>4.417</td>
<td>0.76</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.01</td>
<td>109.2</td>
<td>4.695</td>
<td>0.92</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td></td>
<td>Trehalose</td>
<td>37.117</td>
<td>153.2</td>
<td>4.708</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Cellobios</td>
<td>38.464</td>
<td>1694.2</td>
<td>4.879</td>
<td>0.72</td>
<td>0.08</td>
<td>0.49</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.114</td>
<td>683.3</td>
<td>4.962</td>
<td>0.8</td>
<td>0.03</td>
<td>0.18</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.388</td>
<td>6934.7</td>
<td>4.997</td>
<td>0.8</td>
<td>0.31</td>
<td>1.82</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.646</td>
<td>3591.4</td>
<td>5.029</td>
<td>0.8</td>
<td>0.16</td>
<td>0.94</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.842</td>
<td>1069.9</td>
<td>5.054</td>
<td>0.8</td>
<td>0.34</td>
<td>1.98</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.207</td>
<td>4762.5</td>
<td>5.100</td>
<td>1.43</td>
<td>0.12</td>
<td>0.70</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.749</td>
<td>2045.4</td>
<td>5.169</td>
<td>0.44</td>
<td>0.17</td>
<td>0.97</td>
</tr>
<tr>
<td>J</td>
<td>Gentiose</td>
<td>41.0</td>
<td>685.3</td>
<td>5.201</td>
<td>0.52</td>
<td>0.05</td>
<td>0.28</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.38</td>
<td>2128.9</td>
<td>5.249</td>
<td>0.68</td>
<td>0.31</td>
<td>1.79</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.713</td>
<td>3697.2</td>
<td>5.292</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>51.972</td>
<td>36.4</td>
<td>6.593</td>
<td>0.65</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>52.183</td>
<td>196.3</td>
<td>6.620</td>
<td>0.44</td>
<td>0.02</td>
<td>0.09</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.894</td>
<td>176.3</td>
<td>6.710</td>
<td>0.55</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.479</td>
<td>87.5</td>
<td>6.784</td>
<td>0.56</td>
<td>0.01</td>
<td>0.03</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.227</td>
<td>442.9</td>
<td>7.260</td>
<td>0.55</td>
<td>0.03</td>
<td>0.17</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.79</td>
<td>755.8</td>
<td>7.585</td>
<td>0.55</td>
<td>0.05</td>
<td>0.29</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>60.870</td>
<td>121.4</td>
<td>7.723</td>
<td>0.56</td>
<td>0.01</td>
<td>0.05</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.224</td>
<td>501.2</td>
<td>7.252</td>
<td>0.55</td>
<td>0.03</td>
<td>0.19</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.786</td>
<td>810.9</td>
<td>7.756</td>
<td>0.55</td>
<td>0.05</td>
<td>0.31</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>60.870</td>
<td>139</td>
<td>7.714</td>
<td>0.56</td>
<td>0.01</td>
<td>0.05</td>
</tr>
</tbody>
</table>

**IS**
- Xylitol: 7.883 mg, 2769.4 mg

**Mono**
- Monosaccharides: 15.276 min, 174391.8 mg, 1.938 RRT, 0.97 RF
- Monosaccharides: 15.545 min, 108993 mg, 1.972 RRT, 0.8 Wt

**IS**
- Xylitol: 7.883 mg, 2769.4 mg

**Mono**
- Monosaccharides: 15.276 min, 174391.8 mg, 1.938 RRT, 0.97 RF
- Monosaccharides: 15.545 min, 108993 mg, 1.972 RRT, 0.8 Wt

**IS**
- Xylitol: 7.883 mg, 2769.4 mg

**Mono**
- Monosaccharides: 15.276 min, 174391.8 mg, 1.938 RRT, 0.97 RF
- Monosaccharides: 15.545 min, 108993 mg, 1.972 RRT, 0.8 Wt
<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>% (o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.847</td>
<td>1736.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Monosaccharides</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td>14.94</td>
<td>65999.2</td>
<td>1.904</td>
<td>0.97</td>
<td>8.58</td>
<td>65.72</td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td>15.24</td>
<td>78658.9</td>
<td>1.942</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.804</td>
<td>174.1</td>
<td>4.435</td>
<td>0.76</td>
<td>0.01</td>
<td>0.10</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.009</td>
<td>123.5</td>
<td>4.716</td>
<td>0.92</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.405</td>
<td>550.1</td>
<td>4.894</td>
<td>0.72</td>
<td>0.04</td>
<td>0.34</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.05</td>
<td>479.8</td>
<td>4.976</td>
<td>0.8</td>
<td>0.03</td>
<td>0.26</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.249</td>
<td>1889.6</td>
<td>5.002</td>
<td>0.8</td>
<td>0.14</td>
<td>1.04</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.499</td>
<td>1063.6</td>
<td>5.034</td>
<td>0.8</td>
<td>0.08</td>
<td>0.59</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.702</td>
<td>3152.8</td>
<td>5.060</td>
<td>0.8</td>
<td>0.23</td>
<td>1.74</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.088</td>
<td>1500.6</td>
<td>5.109</td>
<td>1.43</td>
<td>0.06</td>
<td>0.46</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.683</td>
<td>677.4</td>
<td>5.185</td>
<td>0.44</td>
<td>0.09</td>
<td>0.68</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.921</td>
<td>96</td>
<td>5.215</td>
<td>0.52</td>
<td>0.03</td>
<td>0.23</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.941</td>
<td>170.9</td>
<td>5.217</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.292</td>
<td>600.7</td>
<td>5.262</td>
<td>0.68</td>
<td>0.14</td>
<td>1.10</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose2</td>
<td>41.614</td>
<td>1093.3</td>
<td>5.303</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>51.937</td>
<td>26.9</td>
<td>6.619</td>
<td>0.65</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>52.182</td>
<td>81.4</td>
<td>6.650</td>
<td>0.44</td>
<td>0.01</td>
<td>0.08</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.895</td>
<td>316.9</td>
<td>6.741</td>
<td>0.55</td>
<td>0.03</td>
<td>0.25</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.469</td>
<td>38</td>
<td>6.814</td>
<td>0.56</td>
<td>0.00</td>
<td>0.03</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.226</td>
<td>217.1</td>
<td>7.293</td>
<td>0.55</td>
<td>0.02</td>
<td>0.17</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.767</td>
<td>192.8</td>
<td>7.617</td>
<td>0.55</td>
<td>0.02</td>
<td>0.15</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>60.904</td>
<td>46.5</td>
<td>7.761</td>
<td>0.56</td>
<td>0.00</td>
<td>0.04</td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
<td>%(o)</td>
</tr>
<tr>
<td>------</td>
<td>-------------------</td>
<td>------------</td>
<td>---------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.853</td>
<td>2241.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.077</td>
<td>100070.3</td>
<td>1.920</td>
<td>0.97</td>
<td>8.02</td>
<td>62.24</td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td>15.347</td>
<td>74436</td>
<td>1.954</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.804</td>
<td>235.4</td>
<td>4.432</td>
<td>0.76</td>
<td>0.01</td>
<td>0.11</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>37.064</td>
<td>72.3</td>
<td>4.720</td>
<td>0.92</td>
<td>0.00</td>
<td>0.03</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.406</td>
<td>701.2</td>
<td>4.891</td>
<td>0.72</td>
<td>0.04</td>
<td>0.34</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>39.059</td>
<td>635.2</td>
<td>4.974</td>
<td>0.8</td>
<td>0.04</td>
<td>0.27</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.272</td>
<td>2538.5</td>
<td>5.001</td>
<td>0.8</td>
<td>0.14</td>
<td>1.10</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.53</td>
<td>1094.3</td>
<td>5.034</td>
<td>0.8</td>
<td>0.06</td>
<td>0.47</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.551</td>
<td>404.9</td>
<td>5.036</td>
<td>0.8</td>
<td>0.02</td>
<td>0.18</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>40.098</td>
<td>1749.8</td>
<td>5.106</td>
<td>1.43</td>
<td>0.05</td>
<td>0.42</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.689</td>
<td>763.1</td>
<td>5.181</td>
<td>0.44</td>
<td>0.08</td>
<td>0.60</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.939</td>
<td>327.3</td>
<td>5.213</td>
<td>0.52</td>
<td>0.03</td>
<td>0.22</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.318</td>
<td>735.5</td>
<td>5.261</td>
<td>0.68</td>
<td>0.13</td>
<td>1.04</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose2</td>
<td>41.622</td>
<td>1300.4</td>
<td>5.300</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>51.958</td>
<td>16.6</td>
<td>6.616</td>
<td>0.65</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>52.175</td>
<td>113.8</td>
<td>6.644</td>
<td>0.44</td>
<td>0.01</td>
<td>0.09</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.894</td>
<td>394.4</td>
<td>6.736</td>
<td>0.55</td>
<td>0.03</td>
<td>0.25</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.459</td>
<td>34.6</td>
<td>6.807</td>
<td>0.56</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.21</td>
<td>256.3</td>
<td>7.285</td>
<td>0.55</td>
<td>0.02</td>
<td>0.16</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.754</td>
<td>218.8</td>
<td>7.609</td>
<td>0.55</td>
<td>0.02</td>
<td>0.14</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>60.871</td>
<td>23.8</td>
<td>7.751</td>
<td>0.56</td>
<td>0.00</td>
<td>0.01</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%(o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.87</td>
<td>283.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>14.307</td>
<td>2869</td>
<td>1.818</td>
<td>0.97</td>
<td>14.57</td>
<td>84.69</td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td>14.9</td>
<td>37216.2</td>
<td>1.893</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.669</td>
<td>138.6</td>
<td>4.405</td>
<td>0.76</td>
<td>0.06</td>
<td>0.37</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.896</td>
<td>131.6</td>
<td>4.688</td>
<td>0.92</td>
<td>0.05</td>
<td>0.29</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.221</td>
<td>277.7</td>
<td>4.857</td>
<td>0.72</td>
<td>0.14</td>
<td>0.79</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.772</td>
<td>247.2</td>
<td>4.927</td>
<td>0.8</td>
<td>0.11</td>
<td>0.63</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.069</td>
<td>658.5</td>
<td>4.964</td>
<td>0.8</td>
<td>0.29</td>
<td>1.69</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.331</td>
<td>418.7</td>
<td>4.998</td>
<td>0.8</td>
<td>0.18</td>
<td>1.07</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.494</td>
<td>503.3</td>
<td>5.018</td>
<td>0.8</td>
<td>0.22</td>
<td>1.29</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.915</td>
<td>264.9</td>
<td>5.072</td>
<td>1.43</td>
<td>0.07</td>
<td>0.38</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.237</td>
<td>55.1</td>
<td>5.113</td>
<td>0.44</td>
<td>0.04</td>
<td>0.26</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.537</td>
<td>57.9</td>
<td>5.151</td>
<td>0.52</td>
<td>0.04</td>
<td>0.23</td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
<td>% (o)</td>
</tr>
<tr>
<td>------</td>
<td>-------</td>
<td>------------</td>
<td>-------</td>
<td>------</td>
<td>-------</td>
<td>-------</td>
<td>--------</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.859</td>
<td>1469</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.26</td>
<td>171791.8</td>
<td>1.942</td>
<td>0.97</td>
<td>12.04</td>
<td>72.15</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.674</td>
<td>192.2</td>
<td>4.412</td>
<td>0.76</td>
<td>0.02</td>
<td>0.10</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.861</td>
<td>101.7</td>
<td>4.690</td>
<td>0.92</td>
<td>0.01</td>
<td>0.05</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.272</td>
<td>781.8</td>
<td>4.870</td>
<td>0.72</td>
<td>0.07</td>
<td>0.44</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.929</td>
<td>531.8</td>
<td>4.953</td>
<td>0.8</td>
<td>0.05</td>
<td>0.27</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.119</td>
<td>2271.3</td>
<td>4.978</td>
<td>0.8</td>
<td>0.19</td>
<td>1.16</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.358</td>
<td>1167</td>
<td>5.008</td>
<td>0.8</td>
<td>0.12</td>
<td>0.72</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.563</td>
<td>2930.7</td>
<td>5.034</td>
<td>0.8</td>
<td>0.25</td>
<td>1.49</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.939</td>
<td>1719.1</td>
<td>5.082</td>
<td>1.43</td>
<td>0.08</td>
<td>0.49</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.551</td>
<td>696.8</td>
<td>5.160</td>
<td>0.44</td>
<td>0.11</td>
<td>0.65</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.808</td>
<td>328.4</td>
<td>5.193</td>
<td>0.52</td>
<td>0.04</td>
<td>0.26</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.149</td>
<td>572.8</td>
<td>5.236</td>
<td>0.68</td>
<td>0.14</td>
<td>0.83</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.468</td>
<td>812.8</td>
<td>5.276</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>52.025</td>
<td>43.9</td>
<td>6.620</td>
<td>0.44</td>
<td>0.01</td>
<td>0.04</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.751</td>
<td>201.8</td>
<td>6.712</td>
<td>0.55</td>
<td>0.02</td>
<td>0.15</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.328</td>
<td>46.6</td>
<td>6.786</td>
<td>0.56</td>
<td>0.01</td>
<td>0.03</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.037</td>
<td>122.7</td>
<td>7.258</td>
<td>0.55</td>
<td>0.02</td>
<td>0.09</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.577</td>
<td>121.5</td>
<td>7.581</td>
<td>0.55</td>
<td>0.02</td>
<td>0.09</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>% (o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.838</td>
<td>1662</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.111</td>
<td>145788.2</td>
<td>1.928</td>
<td>0.97</td>
<td>9.04</td>
<td>67.50</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.674</td>
<td>190.3</td>
<td>4.424</td>
<td>0.76</td>
<td>0.02</td>
<td>0.11</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.861</td>
<td>250.1</td>
<td>4.703</td>
<td>0.92</td>
<td>0.02</td>
<td>0.12</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.268</td>
<td>780</td>
<td>4.882</td>
<td>0.72</td>
<td>0.07</td>
<td>0.49</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.911</td>
<td>483</td>
<td>4.964</td>
<td>0.8</td>
<td>0.04</td>
<td>0.27</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.122</td>
<td>2340.8</td>
<td>4.991</td>
<td>0.8</td>
<td>0.18</td>
<td>1.31</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.344</td>
<td>621.7</td>
<td>5.020</td>
<td>0.8</td>
<td>0.10</td>
<td>0.78</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.552</td>
<td>1575.6</td>
<td>5.046</td>
<td>0.8</td>
<td>0.20</td>
<td>1.49</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.943</td>
<td>1494.4</td>
<td>5.096</td>
<td>1.43</td>
<td>0.06</td>
<td>0.47</td>
</tr>
<tr>
<td></td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
<td>%(o)</td>
</tr>
<tr>
<td>---</td>
<td>---------------------</td>
<td>------------</td>
<td>---------</td>
<td>------</td>
<td>-------</td>
<td>-------</td>
<td>------</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.543</td>
<td>625.2</td>
<td>5.173</td>
<td>0.44</td>
<td>0.09</td>
<td>0.64</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.792</td>
<td>365.7</td>
<td>5.204</td>
<td>0.52</td>
<td>0.04</td>
<td>0.32</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.16</td>
<td>584.1</td>
<td>5.251</td>
<td>0.68</td>
<td>0.12</td>
<td>0.90</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.451</td>
<td>772.7</td>
<td>5.288</td>
<td>0.80</td>
<td>0.16</td>
<td>1.10</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.751</td>
<td>176.8</td>
<td>6.730</td>
<td>0.44</td>
<td>0.02</td>
<td>0.18</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.308</td>
<td>36.7</td>
<td>6.801</td>
<td>0.56</td>
<td>0.00</td>
<td>0.03</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.046</td>
<td>127.1</td>
<td>7.278</td>
<td>0.55</td>
<td>0.01</td>
<td>0.10</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.573</td>
<td>141.2</td>
<td>7.601</td>
<td>0.55</td>
<td>0.02</td>
<td>0.12</td>
</tr>
<tr>
<td></td>
<td>Wt sample (mg)</td>
<td>14.18</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wt xylitol (mg)</td>
<td>0.09988</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**IS** Xylitol 7.855 558.1

**Mono** Monosaccharides 14.966 60578.4 1.905 0.97 11.18 78.82
A Sucrose 34.607 122.5 4.406 0.76 0.03 0.20
B Trehalose 36.864 181 4.693 0.92 0.04 0.25
C Cellobiose 38.269 300.5 4.872 0.72 0.07 0.53
D Laminaribiose 38.767 123.1 4.935 0.8 0.03 0.19
E Nigerose+Turanose1 38.941 568.1 4.957 0.8 0.13 0.90
F Turanose2+Maltulose1 39.207 399.8 4.991 0.8 0.09 0.63
G Maltose+Maltulose2 39.375 676.9 5.013 0.8 0.15 1.07
H Kojibiose 40.208 75.8 5.119 1.43 0.01 0.07
I Melibiose 40.507 46.1 5.157 0.44 0.02 0.13
J Gentiobiose 40.766 28.9 5.190 0.52 0.01 0.07
K Palatinose1 41.138 14.5 5.237 0.68 0.01 0.06 43.21
   Palatinose2 41.419 16.5 5.273 0.64 0.01 -12.21

**79#2 Wt sample (mg) 14.18**

**Peak Sugar Time (min) Area RRT RF(o) Wt(o) %o**

<table>
<thead>
<tr>
<th></th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%(o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.855</td>
<td>558.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mono** Monosaccharides 15.095 137879.9 1.926 0.97 11.46 70.23
A Sucrose 34.603 212.5 4.414 0.76 0.02 0.14
B Trehalose 36.897 229.3 4.707 0.92 0.02 0.12
C Cellobiose 38.289 586.4 4.884 0.72 0.07 0.40
D Laminaribiose 38.781 239 4.947 0.8 0.02 0.15
E Nigerose+Turanose1 38.944 1475.7 4.968 0.8 0.15 0.91
F Turanose2+Maltulose1 39.072 715 4.984 0.8 0.07 0.44
G Maltose+Maltulose2 39.415 1996.5 5.028 0.8 0.20 1.23
H Kojibiose 40.212 258.1 5.130 1.43 0.01 0.09
I Melibiose 40.522 191 5.169 0.44 0.04 0.21
J Gentiobiose 40.789 179.9 5.203 0.52 0.03 0.17
K Palatinose1 41.148 142.5 5.249 0.68 0.03 0.18 424.68
<table>
<thead>
<tr>
<th></th>
<th>Palatinose2</th>
<th>41.446</th>
<th>111.3</th>
<th>5.287</th>
<th></th>
<th>-170.88</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>81#2</strong></td>
<td>Wt(s) (mg)</td>
<td>14.42</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wt(Xyl) (mg)</td>
<td>0.09988</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.879</td>
<td>1644.5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.223</td>
<td>160971.2</td>
<td>1.932</td>
<td>0.97</td>
<td>10.08</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.664</td>
<td>31.8</td>
<td>4.400</td>
<td>0.76</td>
<td>0.00</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.927</td>
<td>56.7</td>
<td>4.687</td>
<td>0.92</td>
<td>0.00</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.242</td>
<td>583.4</td>
<td>4.854</td>
<td>0.72</td>
<td>0.05</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.898</td>
<td>394.1</td>
<td>4.937</td>
<td>0.8</td>
<td>0.03</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.129</td>
<td>2825.1</td>
<td>4.966</td>
<td>0.8</td>
<td>0.21</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.362</td>
<td>1665.2</td>
<td>4.996</td>
<td>0.8</td>
<td>0.13</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.566</td>
<td>3368.8</td>
<td>5.022</td>
<td>0.8</td>
<td>0.26</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.956</td>
<td>2262.6</td>
<td>5.071</td>
<td>1.43</td>
<td>0.10</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.548</td>
<td>1094.6</td>
<td>5.146</td>
<td>0.44</td>
<td>0.15</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.803</td>
<td>467.5</td>
<td>5.179</td>
<td>0.52</td>
<td>0.05</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.167</td>
<td>1099.8</td>
<td>5.225</td>
<td>0.68</td>
<td>0.24</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.476</td>
<td>1568.1</td>
<td>5.264</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>52.033</td>
<td>176</td>
<td>6.604</td>
<td>0.44</td>
<td>0.02</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.739</td>
<td>63.7</td>
<td>6.694</td>
<td>0.55</td>
<td>0.01</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.322</td>
<td>20.9</td>
<td>6.768</td>
<td>0.56</td>
<td>0.00</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>57.038</td>
<td>115.7</td>
<td>7.239</td>
<td>0.55</td>
<td>0.01</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.573</td>
<td>187.2</td>
<td>7.561</td>
<td>0.55</td>
<td>0.02</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>60.682</td>
<td>25</td>
<td>7.702</td>
<td>0.56</td>
<td>0.00</td>
</tr>
<tr>
<td><strong>81#3</strong></td>
<td>Wt(s) (mg)</td>
<td>14.13</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wt(Xyl) (mg)</td>
<td>0.09995</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.789</td>
<td>866.8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>14.834</td>
<td>91431.2</td>
<td>1.904</td>
<td>0.97</td>
<td>10.87</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.684</td>
<td>20.7</td>
<td>4.453</td>
<td>0.76</td>
<td>0.00</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.894</td>
<td>184.2</td>
<td>4.737</td>
<td>0.92</td>
<td>0.02</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.238</td>
<td>544</td>
<td>4.909</td>
<td>0.72</td>
<td>0.09</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.861</td>
<td>456.3</td>
<td>4.989</td>
<td>0.8</td>
<td>0.07</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.106</td>
<td>2060.1</td>
<td>5.021</td>
<td>0.8</td>
<td>0.30</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.346</td>
<td>1177.1</td>
<td>5.051</td>
<td>0.8</td>
<td>0.17</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.517</td>
<td>1588</td>
<td>5.073</td>
<td>0.8</td>
<td>0.23</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.921</td>
<td>790.8</td>
<td>5.125</td>
<td>1.43</td>
<td>0.06</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.542</td>
<td>340.1</td>
<td>5.205</td>
<td>0.44</td>
<td>0.09</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.765</td>
<td>95.9</td>
<td>5.234</td>
<td>0.52</td>
<td>0.02</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.16</td>
<td>354.6</td>
<td>5.284</td>
<td>0.68</td>
<td>0.13</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.457</td>
<td>396.6</td>
<td>5.323</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Area, RRT, RF(o), Wt(o), % (o): Area, Relative Retention Time, Retention Factor, Weight, Percent.
<table>
<thead>
<tr>
<th>119#1</th>
<th>Wt(s) (mg)</th>
<th>17.46</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Wt(Xyl) (mg)</td>
<td>0.09983</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>% (o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS Xylitol</td>
<td>7.75</td>
<td>2008.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono Monosaccharides</td>
<td>15.264</td>
<td>247822.2</td>
<td>1.969</td>
<td>0.97</td>
<td>12.70</td>
<td>72.74</td>
</tr>
<tr>
<td>A Sucrose</td>
<td>34.594</td>
<td>50.9</td>
<td>4.461</td>
<td>0.76</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>B Trehalose</td>
<td>36.845</td>
<td>58.7</td>
<td>4.752</td>
<td>0.92</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>C Cellobiose</td>
<td>38.207</td>
<td>953.7</td>
<td>4.927</td>
<td>0.72</td>
<td>0.07</td>
<td>0.38</td>
</tr>
<tr>
<td>D Laminaribiose</td>
<td>38.861</td>
<td>557.3</td>
<td>5.012</td>
<td>0.8</td>
<td>0.03</td>
<td>0.20</td>
</tr>
<tr>
<td>E Nigerose+Turanose1</td>
<td>39.094</td>
<td>3777.5</td>
<td>5.042</td>
<td>0.8</td>
<td>0.23</td>
<td>1.34</td>
</tr>
<tr>
<td>F Turanose2+Maltulose1</td>
<td>39.323</td>
<td>1241</td>
<td>5.071</td>
<td>0.8</td>
<td>0.13</td>
<td>0.76</td>
</tr>
<tr>
<td>G Maltose+Maltulose2</td>
<td>39.477</td>
<td>1350</td>
<td>5.091</td>
<td>0.8</td>
<td>0.30</td>
<td>1.69</td>
</tr>
<tr>
<td>H Kojibiose</td>
<td>39.913</td>
<td>2316.9</td>
<td>5.147</td>
<td>1.43</td>
<td>0.08</td>
<td>0.46</td>
</tr>
<tr>
<td>I Melibiose</td>
<td>40.488</td>
<td>1075.5</td>
<td>5.222</td>
<td>0.44</td>
<td>0.12</td>
<td>0.70</td>
</tr>
<tr>
<td>J Gentiobiose</td>
<td>40.743</td>
<td>364.5</td>
<td>5.254</td>
<td>0.52</td>
<td>0.03</td>
<td>0.20</td>
</tr>
<tr>
<td>K Palatinose1</td>
<td>41.09</td>
<td>459.6</td>
<td>5.299</td>
<td>0.68</td>
<td>0.23</td>
<td>1.31</td>
</tr>
<tr>
<td>L Palatinose2</td>
<td>41.104</td>
<td>690.4</td>
<td>5.301</td>
<td>-292.23</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M Palatinose2</td>
<td>41.422</td>
<td>1985</td>
<td>5.342</td>
<td>-292.23</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N Kestose</td>
<td>51.971</td>
<td>109.5</td>
<td>6.702</td>
<td>0.44</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td>O Erlose</td>
<td>52.681</td>
<td>165.9</td>
<td>6.794</td>
<td>0.55</td>
<td>0.01</td>
<td>0.09</td>
</tr>
<tr>
<td>P Melezitose</td>
<td>53.245</td>
<td>42.7</td>
<td>6.867</td>
<td>0.56</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>Q Maltotriose</td>
<td>56.956</td>
<td>246.9</td>
<td>7.345</td>
<td>0.55</td>
<td>0.02</td>
<td>0.13</td>
</tr>
<tr>
<td>R Panose</td>
<td>59.496</td>
<td>278.3</td>
<td>7.673</td>
<td>0.55</td>
<td>0.03</td>
<td>0.14</td>
</tr>
<tr>
<td>S Isomaltotriose</td>
<td>60.636</td>
<td>31.3</td>
<td>7.820</td>
<td>0.56</td>
<td>0.00</td>
<td>0.02</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>119#2</th>
<th>Wt(s) (mg)</th>
<th>14.9</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Wt(Xyl) (mg)</td>
<td>0.09988</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>% (o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS Xylitol</td>
<td>7.75</td>
<td>1744.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono Monosaccharides</td>
<td>15.163</td>
<td>187748</td>
<td>1.957</td>
<td>0.97</td>
<td>11.08</td>
<td>74.37</td>
</tr>
<tr>
<td>A Sucrose</td>
<td>34.594</td>
<td>53.8</td>
<td>4.464</td>
<td>0.76</td>
<td>0.00</td>
<td>0.03</td>
</tr>
<tr>
<td>B Trehalose</td>
<td>36.785</td>
<td>111.7</td>
<td>4.746</td>
<td>0.92</td>
<td>0.01</td>
<td>0.05</td>
</tr>
<tr>
<td>C Cellobiose</td>
<td>38.182</td>
<td>816.8</td>
<td>4.927</td>
<td>0.72</td>
<td>0.06</td>
<td>0.44</td>
</tr>
<tr>
<td>D Laminaribiose</td>
<td>38.844</td>
<td>500.9</td>
<td>5.012</td>
<td>0.8</td>
<td>0.04</td>
<td>0.24</td>
</tr>
<tr>
<td>E Nigerose+Turanose1</td>
<td>39.063</td>
<td>2915</td>
<td>5.040</td>
<td>0.8</td>
<td>0.21</td>
<td>1.40</td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
</tr>
<tr>
<td>------</td>
<td>-------</td>
<td>------------</td>
<td>------</td>
<td>------</td>
<td>-------</td>
<td>-------</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.746</td>
<td>1208.4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.047</td>
<td>141971.3</td>
<td>1.943</td>
<td>0.97</td>
<td>12.11</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.601</td>
<td>31.6</td>
<td>4.467</td>
<td>0.76</td>
<td>0.00</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.741</td>
<td>50.8</td>
<td>4.743</td>
<td>0.92</td>
<td>0.00</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.171</td>
<td>591</td>
<td>4.928</td>
<td>0.72</td>
<td>0.07</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.822</td>
<td>351</td>
<td>5.012</td>
<td>0.8</td>
<td>0.04</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.03</td>
<td>1828.7</td>
<td>5.039</td>
<td>0.8</td>
<td>0.19</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.272</td>
<td>554.8</td>
<td>5.067</td>
<td>0.8</td>
<td>0.12</td>
</tr>
<tr>
<td></td>
<td>Turanose2+Maltulose1</td>
<td>39.307</td>
<td>1107.4</td>
<td>5.072</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.845</td>
<td>1956.1</td>
<td>5.095</td>
<td>0.8</td>
<td>0.28</td>
</tr>
<tr>
<td></td>
<td>Maltose+Maltulose2</td>
<td>39.514</td>
<td>1892.1</td>
<td>5.099</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.881</td>
<td>2012</td>
<td>5.146</td>
<td>1.43</td>
<td>0.08</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.48</td>
<td>1059.7</td>
<td>5.233</td>
<td>0.44</td>
<td>0.14</td>
</tr>
<tr>
<td>J</td>
<td>Gentiosebi</td>
<td>40.744</td>
<td>470.5</td>
<td>5.257</td>
<td>0.52</td>
<td>0.05</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.091</td>
<td>956.1</td>
<td>5.302</td>
<td>0.68</td>
<td>0.22</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.406</td>
<td>1663.4</td>
<td>5.343</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>51.984</td>
<td>84.8</td>
<td>6.708</td>
<td>0.44</td>
<td>0.01</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.692</td>
<td>109.4</td>
<td>6.799</td>
<td>0.55</td>
<td>0.01</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.242</td>
<td>38.1</td>
<td>6.870</td>
<td>0.56</td>
<td>0.00</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.971</td>
<td>171.8</td>
<td>7.351</td>
<td>0.55</td>
<td>0.02</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.481</td>
<td>215</td>
<td>7.675</td>
<td>0.55</td>
<td>0.02</td>
</tr>
</tbody>
</table>

**119#3**

| Wt(s) (mg) | 14.57 |
| Wt(Xyl) (mg) | 0.09995 |

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%(o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.746</td>
<td>1208.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.047</td>
<td>141971.3</td>
<td>1.943</td>
<td>0.97</td>
<td>12.11</td>
<td>83.09</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.601</td>
<td>31.6</td>
<td>4.467</td>
<td>0.76</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.741</td>
<td>50.8</td>
<td>4.743</td>
<td>0.92</td>
<td>0.00</td>
<td>0.03</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.171</td>
<td>591</td>
<td>4.928</td>
<td>0.72</td>
<td>0.07</td>
<td>0.47</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.822</td>
<td>351</td>
<td>5.012</td>
<td>0.8</td>
<td>0.04</td>
<td>0.25</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.03</td>
<td>1828.7</td>
<td>5.039</td>
<td>0.8</td>
<td>0.19</td>
<td>1.30</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.274</td>
<td>569.6</td>
<td>5.070</td>
<td>0.8</td>
<td>0.10</td>
<td>0.67</td>
</tr>
<tr>
<td></td>
<td>Turanose2+Maltulose1</td>
<td>39.287</td>
<td>381.4</td>
<td>5.072</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.429</td>
<td>861.6</td>
<td>5.090</td>
<td>0.8</td>
<td>0.27</td>
<td>1.82</td>
</tr>
<tr>
<td></td>
<td>Maltose+Maltulose2</td>
<td>39.463</td>
<td>1703.2</td>
<td>5.095</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.857</td>
<td>1404.9</td>
<td>5.145</td>
<td>1.43</td>
<td>0.08</td>
<td>0.56</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.462</td>
<td>777.6</td>
<td>5.224</td>
<td>0.44</td>
<td>0.15</td>
<td>1.00</td>
</tr>
<tr>
<td>J</td>
<td>Gentiosebi</td>
<td>40.716</td>
<td>399</td>
<td>5.256</td>
<td>0.52</td>
<td>0.06</td>
<td>0.44</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.068</td>
<td>683.4</td>
<td>5.302</td>
<td>0.68</td>
<td>0.21</td>
<td>1.46</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.366</td>
<td>454.2</td>
<td>5.340</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.393</td>
<td>614.1</td>
<td>5.344</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>51.983</td>
<td>61.6</td>
<td>6.711</td>
<td>0.44</td>
<td>0.01</td>
<td>0.08</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.701</td>
<td>71.8</td>
<td>6.804</td>
<td>0.55</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.273</td>
<td>22.1</td>
<td>6.877</td>
<td>0.56</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.971</td>
<td>115.8</td>
<td>7.355</td>
<td>0.55</td>
<td>0.02</td>
<td>0.12</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.491</td>
<td>99.3</td>
<td>7.680</td>
<td>0.55</td>
<td>0.01</td>
<td>0.10</td>
</tr>
</tbody>
</table>
Honey results from Vietnam.

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>% (o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.487</td>
<td>2604</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monosaccharides</td>
<td>14.679</td>
<td>134017.8</td>
<td>1.961</td>
<td>0.97</td>
<td>8.97</td>
<td>60.54</td>
<td></td>
</tr>
<tr>
<td>Monosaccharides</td>
<td>14.951</td>
<td>92990</td>
<td>1.997</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.327</td>
<td>53.2</td>
<td>4.585</td>
<td>0.76</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.498</td>
<td>114.9</td>
<td>4.875</td>
<td>0.92</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td></td>
<td>Trehalose</td>
<td>36.536</td>
<td>106.2</td>
<td>4.880</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>37.935</td>
<td>1381.7</td>
<td>5.067</td>
<td>0.72</td>
<td>0.07</td>
<td>0.50</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.599</td>
<td>1046.7</td>
<td>5.155</td>
<td>0.8</td>
<td>0.05</td>
<td>0.34</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose + Turanose</td>
<td>38.814</td>
<td>4573.7</td>
<td>5.184</td>
<td>0.8</td>
<td>0.22</td>
<td>1.48</td>
</tr>
<tr>
<td>F</td>
<td>Turanose + Maltose</td>
<td>39.046</td>
<td>1459.3</td>
<td>5.215</td>
<td>0.8</td>
<td>0.11</td>
<td>0.76</td>
</tr>
<tr>
<td>G</td>
<td>Maltose + Maltose</td>
<td>39.238</td>
<td>2692.3</td>
<td>5.241</td>
<td>0.8</td>
<td>0.22</td>
<td>1.51</td>
</tr>
<tr>
<td></td>
<td>Maltose + Maltose</td>
<td>39.256</td>
<td>1975.9</td>
<td>5.243</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.643</td>
<td>2799.1</td>
<td>5.295</td>
<td>1.43</td>
<td>0.08</td>
<td>0.51</td>
</tr>
<tr>
<td>IS</td>
<td>Melibiose</td>
<td>40.216</td>
<td>839.2</td>
<td>5.371</td>
<td>0.44</td>
<td>0.07</td>
<td>0.49</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.489</td>
<td>667.9</td>
<td>5.408</td>
<td>0.52</td>
<td>0.05</td>
<td>0.33</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose</td>
<td>40.832</td>
<td>740.8</td>
<td>5.454</td>
<td>0.68</td>
<td>0.12</td>
<td>0.84</td>
</tr>
<tr>
<td>L</td>
<td>Palatinose + Isomaltose</td>
<td>41.14</td>
<td>1641.1</td>
<td>5.495</td>
<td>0.46</td>
<td>0.01</td>
<td>0.10</td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>51.502</td>
<td>13.7</td>
<td>6.879</td>
<td>0.65</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>N</td>
<td>Kestoce</td>
<td>51.709</td>
<td>90.4</td>
<td>6.907</td>
<td>0.44</td>
<td>0.01</td>
<td>0.05</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.445</td>
<td>29.6</td>
<td>7.005</td>
<td>0.55</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.265</td>
<td>48.5</td>
<td>7.114</td>
<td>0.56</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.686</td>
<td>237.1</td>
<td>7.571</td>
<td>0.55</td>
<td>0.02</td>
<td>0.11</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.176</td>
<td>248.9</td>
<td>7.904</td>
<td>0.55</td>
<td>0.02</td>
<td>0.12</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>60.301</td>
<td>19.4</td>
<td>8.054</td>
<td>0.56</td>
<td>0.00</td>
<td>0.01</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>% (o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.457</td>
<td>1666.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Monosaccharides</td>
<td>14.462</td>
<td>74153.3</td>
<td>1.939</td>
<td>0.97</td>
<td>9.16</td>
<td>62.26</td>
<td></td>
</tr>
<tr>
<td>Monosaccharides</td>
<td>14.757</td>
<td>74063.4</td>
<td>1.979</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.319</td>
<td>32.8</td>
<td>4.602</td>
<td>0.76</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.494</td>
<td>163.5</td>
<td>4.894</td>
<td>0.92</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>37.914</td>
<td>878.3</td>
<td>5.084</td>
<td>0.72</td>
<td>0.07</td>
<td>0.50</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.622</td>
<td>76.4</td>
<td>5.179</td>
<td>0.8</td>
<td>0.01</td>
<td>0.04</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose + Turanose</td>
<td>38.74</td>
<td>1051.5</td>
<td>5.195</td>
<td>0.8</td>
<td>0.19</td>
<td>1.32</td>
</tr>
<tr>
<td></td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
<td>% (o)</td>
</tr>
<tr>
<td>-------</td>
<td>------------------------------</td>
<td>------------</td>
<td>--------</td>
<td>-------</td>
<td>-------</td>
<td>--------</td>
<td>-------</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>38.998</td>
<td>1394.3</td>
<td>5.230</td>
<td>0.8</td>
<td>0.10</td>
<td>0.71</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.193</td>
<td>2952.6</td>
<td>5.256</td>
<td>0.8</td>
<td>0.22</td>
<td>1.50</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.593</td>
<td>2014.9</td>
<td>5.310</td>
<td>1.43</td>
<td>0.08</td>
<td>0.57</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.198</td>
<td>574.2</td>
<td>5.391</td>
<td>0.44</td>
<td>0.08</td>
<td>0.53</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiase</td>
<td>40.466</td>
<td>163.9</td>
<td>5.427</td>
<td>0.52</td>
<td>0.02</td>
<td>0.13</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>40.808</td>
<td>454.7</td>
<td>5.472</td>
<td>0.68</td>
<td>0.09</td>
<td>0.62</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>41.114</td>
<td>574</td>
<td>5.513</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>51.754</td>
<td>45.6</td>
<td>6.940</td>
<td>0.65</td>
<td>0.00</td>
<td>0.03</td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>51.836</td>
<td>22.7</td>
<td>6.951</td>
<td>0.44</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.485</td>
<td>12.8</td>
<td>7.038</td>
<td>0.55</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.297</td>
<td>8.2</td>
<td>7.147</td>
<td>0.56</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.715</td>
<td>151.2</td>
<td>7.606</td>
<td>0.55</td>
<td>0.02</td>
<td>0.11</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.222</td>
<td>126.4</td>
<td>7.942</td>
<td>0.55</td>
<td>0.01</td>
<td>0.09</td>
</tr>
</tbody>
</table>

**89#3**

<table>
<thead>
<tr>
<th></th>
<th>Wt(s) (mg)</th>
<th>15.18</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Wt(xyl) (mg)</td>
<td>0.09995</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>% (o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.441</td>
<td>1298.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Mono**

<table>
<thead>
<tr>
<th></th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>% (o)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Monosaccharides</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td>14.401</td>
<td>54901.4</td>
<td>1.935</td>
<td>0.97</td>
<td>9.23</td>
<td>60.81</td>
</tr>
<tr>
<td></td>
<td>Sucrose</td>
<td>34.321</td>
<td>26.1</td>
<td>4.612</td>
<td>0.76</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td></td>
<td>Trehalose</td>
<td>36.477</td>
<td>103.4</td>
<td>4.902</td>
<td>0.92</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td></td>
<td>Cellobiose</td>
<td>37.909</td>
<td>538.8</td>
<td>5.095</td>
<td>0.72</td>
<td>0.06</td>
<td>0.38</td>
</tr>
<tr>
<td></td>
<td>Laminaribiose</td>
<td>38.543</td>
<td>312.4</td>
<td>5.180</td>
<td>0.8</td>
<td>0.03</td>
<td>0.20</td>
</tr>
<tr>
<td></td>
<td>Nigerose+Turanose1</td>
<td>38.748</td>
<td>1910.1</td>
<td>5.207</td>
<td>0.8</td>
<td>0.18</td>
<td>1.21</td>
</tr>
<tr>
<td></td>
<td>Turanose2+Maltulose1</td>
<td>38.994</td>
<td>1141.6</td>
<td>5.240</td>
<td>0.8</td>
<td>0.11</td>
<td>0.72</td>
</tr>
<tr>
<td></td>
<td>Maltose+Maltulose2</td>
<td>39.145</td>
<td>867.1</td>
<td>5.261</td>
<td>0.8</td>
<td>0.22</td>
<td>1.44</td>
</tr>
<tr>
<td></td>
<td>Maltose+Maltulose2</td>
<td>39.169</td>
<td>1411.3</td>
<td>5.264</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Kojibiose</td>
<td>39.569</td>
<td>1502.8</td>
<td>5.318</td>
<td>1.43</td>
<td>0.08</td>
<td>0.53</td>
</tr>
<tr>
<td></td>
<td>Melibiose</td>
<td>40.199</td>
<td>429.9</td>
<td>5.402</td>
<td>0.44</td>
<td>0.08</td>
<td>0.50</td>
</tr>
<tr>
<td></td>
<td>Gentiobiase</td>
<td>40.473</td>
<td>391.7</td>
<td>5.439</td>
<td>0.52</td>
<td>0.06</td>
<td>0.38</td>
</tr>
<tr>
<td></td>
<td>Palatinose1</td>
<td>40.811</td>
<td>353.4</td>
<td>5.485</td>
<td>0.68</td>
<td>0.12</td>
<td>0.79</td>
</tr>
<tr>
<td></td>
<td>Palatinose2+Isomaltose</td>
<td>41.109</td>
<td>841.7</td>
<td>5.525</td>
<td>0.46</td>
<td>0.02</td>
<td>0.16</td>
</tr>
<tr>
<td></td>
<td>Kestose</td>
<td>51.78</td>
<td>38.6</td>
<td>6.959</td>
<td>0.44</td>
<td>0.01</td>
<td>0.04</td>
</tr>
<tr>
<td></td>
<td>Maltotriose</td>
<td>56.757</td>
<td>112.2</td>
<td>7.628</td>
<td>0.55</td>
<td>0.02</td>
<td>0.10</td>
</tr>
<tr>
<td></td>
<td>Panose</td>
<td>59.244</td>
<td>49.8</td>
<td>7.962</td>
<td>0.55</td>
<td>0.01</td>
<td>0.08</td>
</tr>
<tr>
<td></td>
<td>Panose</td>
<td>59.297</td>
<td>40</td>
<td>7.969</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**116#1**

<table>
<thead>
<tr>
<th></th>
<th>Wt sample (mg)</th>
<th>14.35</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Wt xylitol (mg)</td>
<td>0.09983</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>% (o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.431</td>
<td>1466.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>Wt(s) (mg)</td>
<td>14.86</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>----------------</td>
<td>-----------</td>
<td>-------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.293</td>
<td>26.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.532</td>
<td>112.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>37.883</td>
<td>800.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.524</td>
<td>426.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>38.763</td>
<td>2771.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.001</td>
<td>1627.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.184</td>
<td>2703.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.581</td>
<td>1884.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.19</td>
<td>706.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.473</td>
<td>404.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>40.799</td>
<td>560.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L</td>
<td>Palatinose2+Isomaltose</td>
<td>41.109</td>
<td>1340.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>51.734</td>
<td>68.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.473</td>
<td>32.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>52.994</td>
<td>7.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.703</td>
<td>146.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.185</td>
<td>164.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%o(0)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.441</td>
<td>1717</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>14.488</td>
<td>76427.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td>14.733</td>
<td>70910.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.31</td>
<td>33.7</td>
<td>4.611</td>
<td>0.76</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.481</td>
<td>134.8</td>
<td>4.903</td>
<td>0.92</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>37.901</td>
<td>943.2</td>
<td>5.094</td>
<td>0.72</td>
<td>0.08</td>
<td>0.51</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.543</td>
<td>440.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>38.779</td>
<td>3307.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.006</td>
<td>1858.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.196</td>
<td>3061.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.597</td>
<td>2184.6</td>
<td>5.321</td>
<td>1.43</td>
<td>0.09</td>
<td>0.60</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.187</td>
<td>847.1</td>
<td>5.401</td>
<td>0.44</td>
<td>0.11</td>
<td>0.75</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.461</td>
<td>430.8</td>
<td>5.438</td>
<td>0.52</td>
<td>0.05</td>
<td>0.32</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>40.794</td>
<td>658</td>
<td>5.482</td>
<td>0.68</td>
<td>0.17</td>
<td>1.13</td>
</tr>
<tr>
<td>L</td>
<td>Palatinose2+Isomaltose</td>
<td>41.115</td>
<td>1631.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>51.733</td>
<td>82.2</td>
<td>6.952</td>
<td>0.44</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.445</td>
<td>38.2</td>
<td>7.048</td>
<td>0.55</td>
<td>0.00</td>
<td>0.03</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>52.998</td>
<td>11.1</td>
<td>7.122</td>
<td>0.56</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.691</td>
<td>157.1</td>
<td>7.619</td>
<td>0.55</td>
<td>0.02</td>
<td>0.11</td>
</tr>
</tbody>
</table>
# Table of Sugar Peak Time (min) Area RRT RF(o) Wt(o) %o

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%o</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.427</td>
<td>1033.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>14.294</td>
<td>36549.6</td>
<td>1.925</td>
<td>0.97</td>
<td>8.98</td>
<td>61.06</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.319</td>
<td>11.7</td>
<td>4.621</td>
<td>0.76</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.536</td>
<td>77.8</td>
<td>4.919</td>
<td>0.92</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>37.878</td>
<td>540.2</td>
<td>5.100</td>
<td>0.72</td>
<td>0.07</td>
<td>0.49</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.526</td>
<td>286.5</td>
<td>5.187</td>
<td>0.8</td>
<td>0.03</td>
<td>0.24</td>
</tr>
<tr>
<td>E</td>
<td>Nigero+Turanose1</td>
<td>38.731</td>
<td>1735</td>
<td>5.215</td>
<td>0.8</td>
<td>0.27</td>
<td>1.85</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>38.972</td>
<td>555.4</td>
<td>5.247</td>
<td>0.8</td>
<td>0.07</td>
<td>0.46</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>39.139</td>
<td>53507</td>
<td>5.140</td>
<td>1.39</td>
<td>0.20</td>
<td>1.39</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.552</td>
<td>1234.7</td>
<td>5.325</td>
<td>1.43</td>
<td>0.08</td>
<td>0.57</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.187</td>
<td>475.2</td>
<td>5.411</td>
<td>0.44</td>
<td>0.10</td>
<td>0.71</td>
</tr>
<tr>
<td>J</td>
<td>Gentioibiose</td>
<td>40.476</td>
<td>231.8</td>
<td>5.450</td>
<td>0.52</td>
<td>0.04</td>
<td>0.29</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>40.8</td>
<td>222.2</td>
<td>5.493</td>
<td>0.68</td>
<td>0.20</td>
<td>1.33</td>
</tr>
<tr>
<td>L</td>
<td>Palatinose2+Isomaltose</td>
<td>41.101</td>
<td>915.6</td>
<td>5.534</td>
<td>0.46</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>51.823</td>
<td>46.5</td>
<td>6.978</td>
<td>0.44</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.543</td>
<td>22.1</td>
<td>7.075</td>
<td>0.55</td>
<td>0.00</td>
<td>0.03</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.073</td>
<td>5.2</td>
<td>7.164</td>
<td>0.56</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.757</td>
<td>53.6</td>
<td>7.642</td>
<td>0.55</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.092</td>
<td>93.3</td>
<td>7.979</td>
<td>0.55</td>
<td>0.02</td>
<td>0.11</td>
</tr>
</tbody>
</table>

## Table 116#3

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%o</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.427</td>
<td>1033.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>14.449</td>
<td>76567.2</td>
<td>1.947</td>
<td>0.97</td>
<td>9.46</td>
<td>64.62</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.287</td>
<td>511.9</td>
<td>4.621</td>
<td>0.76</td>
<td>0.04</td>
<td>0.28</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.468</td>
<td>144.3</td>
<td>4.915</td>
<td>0.92</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>37.887</td>
<td>602.6</td>
<td>5.106</td>
<td>0.72</td>
<td>0.05</td>
<td>0.35</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.343</td>
<td>196.2</td>
<td>5.168</td>
<td>0.8</td>
<td>0.02</td>
<td>0.13</td>
</tr>
<tr>
<td>E</td>
<td>Nigero+Turanose1</td>
<td>38.555</td>
<td>1323.1</td>
<td>5.196</td>
<td>0.8</td>
<td>0.01</td>
<td>0.69</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>38.692</td>
<td>112.4</td>
<td>5.215</td>
<td>0.8</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>38.758</td>
<td>99.6</td>
<td>5.223</td>
<td>0.8</td>
<td>0.01</td>
<td>0.05</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.435</td>
<td>175.5</td>
<td>5.315</td>
<td>1.43</td>
<td>0.01</td>
<td>0.05</td>
</tr>
</tbody>
</table>

## Table 118#1

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%o</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.427</td>
<td>1033.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>14.449</td>
<td>76567.2</td>
<td>1.947</td>
<td>0.97</td>
<td>9.46</td>
<td>64.62</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.287</td>
<td>511.9</td>
<td>4.621</td>
<td>0.76</td>
<td>0.04</td>
<td>0.28</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.468</td>
<td>144.3</td>
<td>4.915</td>
<td>0.92</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>37.887</td>
<td>602.6</td>
<td>5.106</td>
<td>0.72</td>
<td>0.05</td>
<td>0.35</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.343</td>
<td>196.2</td>
<td>5.168</td>
<td>0.8</td>
<td>0.02</td>
<td>0.13</td>
</tr>
<tr>
<td>E</td>
<td>Nigero+Turanose1</td>
<td>38.555</td>
<td>1323.1</td>
<td>5.196</td>
<td>0.8</td>
<td>0.01</td>
<td>0.69</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>38.692</td>
<td>112.4</td>
<td>5.215</td>
<td>0.8</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>38.758</td>
<td>99.6</td>
<td>5.223</td>
<td>0.8</td>
<td>0.01</td>
<td>0.05</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.435</td>
<td>175.5</td>
<td>5.315</td>
<td>1.43</td>
<td>0.01</td>
<td>0.05</td>
</tr>
</tbody>
</table>
### Honey results for Japan.

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>% (o)</th>
<th>IS</th>
<th>Xylitol</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>% (o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>26#1</td>
<td>Wt(s) (mg):</td>
<td>14.51</td>
<td>Wt(Xyl) (mg):</td>
<td>0.09983</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Peak</td>
<td>Sugar</td>
<td>Time</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
<td>% (o)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.434</td>
<td>1546.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>14.66</td>
<td>164855.3</td>
<td>1.972</td>
<td>0.97</td>
<td>10.97</td>
<td>75.62</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.006</td>
<td>370.7</td>
<td>4.574</td>
<td>0.76</td>
<td>0.03</td>
<td>0.22</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.144</td>
<td>245.4</td>
<td>4.862</td>
<td>0.92</td>
<td>0.02</td>
<td>0.12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>37.603</td>
<td>885.7</td>
<td>5.058</td>
<td>0.72</td>
<td>0.08</td>
<td>0.55</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.25</td>
<td>904.7</td>
<td>5.145</td>
<td>0.8</td>
<td>0.07</td>
<td>0.50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Nigerose + Turanose1</td>
<td>38.424</td>
<td>2642</td>
<td>5.169</td>
<td>0.8</td>
<td>0.23</td>
<td>1.57</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Nigerose + Turanose1</td>
<td>38.54</td>
<td>174.8</td>
<td>5.184</td>
<td>0.8</td>
<td>0.23</td>
<td>1.57</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Turanose2 + Maltulose1</td>
<td>38.67</td>
<td>1535</td>
<td>5.202</td>
<td>0.8</td>
<td>0.12</td>
<td>0.85</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Maltulose2 + Maltose</td>
<td>38.873</td>
<td>3279</td>
<td>5.229</td>
<td>0.8</td>
<td>0.26</td>
<td>1.82</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.267</td>
<td>965.4</td>
<td>5.282</td>
<td>1.43</td>
<td>0.04</td>
<td>0.30</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>39.867</td>
<td>271.7</td>
<td>5.363</td>
<td>0.44</td>
<td>0.04</td>
<td>0.27</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.139</td>
<td>151.2</td>
<td>5.399</td>
<td>0.52</td>
<td>0.02</td>
<td>0.13</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>40.463</td>
<td>239.6</td>
<td>5.443</td>
<td>0.68</td>
<td>0.06</td>
<td>0.38</td>
<td>714.0554</td>
<td>131.855</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>40.768</td>
<td>342.6</td>
<td>5.484</td>
<td>0.8</td>
<td>0.26</td>
<td>1.82</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>51.325</td>
<td>61.6</td>
<td>6.904</td>
<td>0.44</td>
<td>0.01</td>
<td>0.06</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.062</td>
<td>207.3</td>
<td>7.003</td>
<td>0.55</td>
<td>0.02</td>
<td>0.17</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>52.596</td>
<td>16.1</td>
<td>7.075</td>
<td>0.56</td>
<td>0.00</td>
<td>0.01</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.239</td>
<td>116.9</td>
<td>7.565</td>
<td>0.55</td>
<td>0.01</td>
<td>0.09</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>58.657</td>
<td>78.9</td>
<td>7.890</td>
<td>0.55</td>
<td>0.01</td>
<td>0.06</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| 82#1 | Wt(s) (mg):              | 15.75      | Wt(Xyl) (mg): | 0.09983 |       |       |       |      |          |            |            |      |       |       |       |
|      |                           |            | Peak       | Sugar | Time  | Area  | RRT  | RF(o) | Wt(o) | % (o)   |            |      |       |       |       |
| IS   | Xylitol                  | 7.325      | 1517.6     |      |       |       |      |       |       |          |            |      |       |       |       |
| Mono | Monosaccharides          | 14.55      | 160851.5   | 1.986 | 0.97  | 10.91 | 69.26 |      |          |            |            |      |       |       |       |
| A    | Sucrose                  | 33.969     | 258.9      | 4.637 | 0.76  | 0.02  | 0.14  |      |          |            |            |      |       |       |       |
| B    | Trehalose                | 36.127     | 141.7      | 4.932 | 0.92  | 0.01  | 0.06  |      |          |            |            |      |       |       |       |
| C    | Cellobiose               | 37.563     | 416.5      | 5.128 | 0.72  | 0.04  | 0.24  |      |          |            |            |      |       |       |       |
| Peak | Sugar | Time (min) | Area | RRT  | RF(o) | Wt(o) | %(%)
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.417</td>
<td>868.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>14.481</td>
<td>104110.3</td>
<td>1.952</td>
<td>0.97</td>
<td>12.34</td>
<td>78.37</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>33.968</td>
<td>227.7</td>
<td>4.580</td>
<td>0.76</td>
<td>0.03</td>
<td>0.22</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.116</td>
<td>76.6</td>
<td>4.869</td>
<td>0.92</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>37.56</td>
<td>343.8</td>
<td>5.064</td>
<td>0.72</td>
<td>0.05</td>
<td>0.35</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.188</td>
<td>555.8</td>
<td>5.149</td>
<td>0.80</td>
<td>0.08</td>
<td>0.51</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose +Turanose1</td>
<td>38.377</td>
<td>1545.1</td>
<td>5.174</td>
<td>0.80</td>
<td>0.22</td>
<td>1.41</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>38.619</td>
<td>1045.5</td>
<td>5.207</td>
<td>0.80</td>
<td>0.15</td>
<td>0.95</td>
</tr>
<tr>
<td>G</td>
<td>Maltulose2+Maltose</td>
<td>38.81</td>
<td>2161.4</td>
<td>5.233</td>
<td>0.80</td>
<td>0.31</td>
<td>1.97</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.219</td>
<td>533.7</td>
<td>5.288</td>
<td>1.43</td>
<td>0.04</td>
<td>0.27</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>39.819</td>
<td>152</td>
<td>5.369</td>
<td>0.44</td>
<td>0.04</td>
<td>0.25</td>
</tr>
<tr>
<td>J</td>
<td>Gentiofucose</td>
<td>40.12</td>
<td>16.1</td>
<td>5.409</td>
<td>0.52</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>40.419</td>
<td>122.6</td>
<td>5.450</td>
<td>0.68</td>
<td>0.05</td>
<td>0.33</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>40.718</td>
<td>182.8</td>
<td>5.490</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>M</td>
<td>Raffinose</td>
<td>51.122</td>
<td>10.6</td>
<td>6.979</td>
<td>0.65</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>51.315</td>
<td>94.7</td>
<td>7.005</td>
<td>0.44</td>
<td>0.01</td>
<td>0.09</td>
</tr>
<tr>
<td>O</td>
<td>Erllose</td>
<td>52.051</td>
<td>175.3</td>
<td>7.106</td>
<td>0.55</td>
<td>0.02</td>
<td>0.13</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.234</td>
<td>72.7</td>
<td>7.677</td>
<td>0.55</td>
<td>0.01</td>
<td>0.06</td>
</tr>
</tbody>
</table>

82#3 | Wt(s) (mg): 14.72 | Wt(Xyl) (mg): 0.09988

| Peak | Sugar | Time (min) | Area | RRT  | RF(o) | Wt(o) | %(%)
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.374</td>
<td>2327.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>14.776</td>
<td>232253.0</td>
<td>2.004</td>
<td>0.97</td>
<td>10.28</td>
<td>69.81</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>33.971</td>
<td>411</td>
<td>4.607</td>
<td>0.76</td>
<td>0.02</td>
<td>0.16</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.118</td>
<td>161.2</td>
<td>4.898</td>
<td>0.92</td>
<td>0.01</td>
<td>0.05</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>37.188</td>
<td>92.9</td>
<td>5.043</td>
<td>0.72</td>
<td>0.01</td>
<td>0.04</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.191</td>
<td>864.5</td>
<td>5.179</td>
<td>0.80</td>
<td>0.05</td>
<td>0.32</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose +Turanose1</td>
<td>38.394</td>
<td>1879</td>
<td>5.207</td>
<td>0.80</td>
<td>0.10</td>
<td>0.68</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>38.635</td>
<td>978.7</td>
<td>5.239</td>
<td>0.80</td>
<td>0.05</td>
<td>0.36</td>
</tr>
<tr>
<td>G</td>
<td>Maltulose2+Maltose</td>
<td>38.848</td>
<td>3435.2</td>
<td>5.268</td>
<td>0.80</td>
<td>0.18</td>
<td>1.25</td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
<td>%%(o)</td>
</tr>
<tr>
<td>------</td>
<td>-------</td>
<td>------------</td>
<td>-------</td>
<td>------</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
</tr>
<tr>
<td>IS</td>
<td>Mono</td>
<td>Xylitol</td>
<td>7.289</td>
<td>1644</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>93#1</td>
<td>Wt(s) (mg):</td>
<td>15.95</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wt(Xyl) (mg):</td>
<td>0.09983</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>Mono</td>
<td>Monosaccharides</td>
<td>14.578</td>
<td>182911.6</td>
<td>2000</td>
<td>0.97</td>
<td>11.45</td>
</tr>
<tr>
<td>A</td>
<td>A</td>
<td>Sucrose</td>
<td>33.956</td>
<td>312.9</td>
<td>4.659</td>
<td>0.76</td>
<td>0.02</td>
</tr>
<tr>
<td>B</td>
<td>B</td>
<td>Trehalose</td>
<td>36.121</td>
<td>233.7</td>
<td>4.956</td>
<td>0.92</td>
<td>0.02</td>
</tr>
<tr>
<td>C</td>
<td>C</td>
<td>Cellobiose</td>
<td>37.57</td>
<td>753.2</td>
<td>5.154</td>
<td>0.72</td>
<td>0.06</td>
</tr>
<tr>
<td>D</td>
<td>D</td>
<td>Laminaribiose</td>
<td>38.023</td>
<td>249.8</td>
<td>5.216</td>
<td>0.8</td>
<td>0.02</td>
</tr>
<tr>
<td>E</td>
<td>E</td>
<td>Nigerose + Turanose1</td>
<td>38.217</td>
<td>1332.6</td>
<td>5.243</td>
<td>0.8</td>
<td>0.10</td>
</tr>
<tr>
<td>F</td>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>38.347</td>
<td>570.3</td>
<td>5.261</td>
<td>0.8</td>
<td>0.04</td>
</tr>
<tr>
<td>G</td>
<td>G</td>
<td>Maltulose2+Maltose</td>
<td>38.822</td>
<td>2970.4</td>
<td>5.326</td>
<td>0.8</td>
<td>0.23</td>
</tr>
<tr>
<td>H</td>
<td>H</td>
<td>Kojibiose</td>
<td>39.205</td>
<td>233.8</td>
<td>5.379</td>
<td>1.43</td>
<td>0.01</td>
</tr>
<tr>
<td>I</td>
<td>I</td>
<td>Melibiose</td>
<td>39.819</td>
<td>42.7</td>
<td>5.463</td>
<td>0.44</td>
<td>0.01</td>
</tr>
<tr>
<td>J</td>
<td>J</td>
<td>Gentiobiose</td>
<td>40.097</td>
<td>38.6</td>
<td>5.501</td>
<td>0.52</td>
<td>0.00</td>
</tr>
<tr>
<td>K</td>
<td>K</td>
<td>Palatinose1</td>
<td>40.403</td>
<td>94.1</td>
<td>5.543</td>
<td>0.68</td>
<td>0.03</td>
</tr>
<tr>
<td>L</td>
<td>L</td>
<td>Palatinose2</td>
<td>40.741</td>
<td>872.7</td>
<td>5.589</td>
<td>0.46</td>
<td>0.09</td>
</tr>
<tr>
<td>N</td>
<td>N</td>
<td>Kestose</td>
<td>51.3</td>
<td>34.6</td>
<td>7.038</td>
<td>0.44</td>
<td>0.00</td>
</tr>
<tr>
<td>Q</td>
<td>Q</td>
<td>Maltotriose</td>
<td>56.218</td>
<td>80.1</td>
<td>7.713</td>
<td>0.55</td>
<td>0.01</td>
</tr>
<tr>
<td>R</td>
<td>R</td>
<td>Panose</td>
<td>58.634</td>
<td>344.2</td>
<td>8.044</td>
<td>0.55</td>
<td>0.04</td>
</tr>
<tr>
<td>S</td>
<td>S</td>
<td>Isomaltotriose</td>
<td>59.703</td>
<td>8.2</td>
<td>8.191</td>
<td>0.56</td>
<td>0.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%%(o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Mono</td>
<td>Xylitol</td>
<td>7.256</td>
<td>1250.9</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>93#2</td>
<td>Wt(s) (mg):</td>
<td>15.54</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wt(Xyl) (mg):</td>
<td>0.09988</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IS</td>
<td>Mono</td>
<td>Monosaccharides</td>
<td>14.438</td>
<td>135566.4</td>
<td>1990</td>
<td>0.97</td>
<td>11.16</td>
</tr>
<tr>
<td>A</td>
<td>A</td>
<td>Sucrose</td>
<td>33.941</td>
<td>173.4</td>
<td>4.678</td>
<td>0.76</td>
<td>0.02</td>
</tr>
<tr>
<td>B</td>
<td>B</td>
<td>Trehalose</td>
<td>36.099</td>
<td>205</td>
<td>4.975</td>
<td>0.92</td>
<td>0.02</td>
</tr>
<tr>
<td>C</td>
<td>C</td>
<td>Cellobiose</td>
<td>37.557</td>
<td>530.1</td>
<td>5.176</td>
<td>0.72</td>
<td>0.06</td>
</tr>
<tr>
<td>D</td>
<td>D</td>
<td>Laminaribiose</td>
<td>38.01</td>
<td>218.3</td>
<td>5.238</td>
<td>0.8</td>
<td>0.02</td>
</tr>
<tr>
<td>E</td>
<td>E</td>
<td>Nigerose + Turanose1</td>
<td>38.176</td>
<td>936.2</td>
<td>5.261</td>
<td>0.8</td>
<td>0.09</td>
</tr>
<tr>
<td>F</td>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>38.333</td>
<td>495.2</td>
<td>5.283</td>
<td>0.8</td>
<td>0.05</td>
</tr>
<tr>
<td>G</td>
<td>G</td>
<td>Maltulose2+Maltose</td>
<td>38.77</td>
<td>2039.3</td>
<td>5.343</td>
<td>0.8</td>
<td>0.20</td>
</tr>
<tr>
<td>H</td>
<td>H</td>
<td>Kojibiose</td>
<td>39.171</td>
<td>211.2</td>
<td>5.398</td>
<td>1.43</td>
<td>0.01</td>
</tr>
<tr>
<td>I</td>
<td>I</td>
<td>Melibiose</td>
<td>39.802</td>
<td>46.9</td>
<td>5.485</td>
<td>0.44</td>
<td>0.01</td>
</tr>
<tr>
<td>J</td>
<td>J</td>
<td>Gentiobiose</td>
<td>40.081</td>
<td>32.8</td>
<td>5.524</td>
<td>0.52</td>
<td>0.01</td>
</tr>
<tr>
<td>K</td>
<td>K</td>
<td>Palatinose1</td>
<td>40.387</td>
<td>72.8</td>
<td>5.566</td>
<td>0.68</td>
<td>0.03</td>
</tr>
<tr>
<td>L</td>
<td>Palatinose2</td>
<td>40.722</td>
<td>644.2</td>
<td>5.612</td>
<td>0.46</td>
<td>0.09</td>
<td>0.56</td>
</tr>
<tr>
<td>-----</td>
<td>-------------</td>
<td>--------</td>
<td>-------</td>
<td>-------</td>
<td>------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>51.299</td>
<td>34.2</td>
<td>7.070</td>
<td>0.44</td>
<td>0.01</td>
<td>0.04</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>52.995</td>
<td>12.5</td>
<td>7.304</td>
<td>0.56</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.208</td>
<td>48.7</td>
<td>7.746</td>
<td>0.55</td>
<td>0.01</td>
<td>0.05</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>58.632</td>
<td>211.9</td>
<td>8.080</td>
<td>0.55</td>
<td>0.00</td>
<td>0.20</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>59.758</td>
<td>14.8</td>
<td>8.236</td>
<td>0.56</td>
<td>0.00</td>
<td>0.01</td>
</tr>
</tbody>
</table>

Honey results for Malaysia.

<table>
<thead>
<tr>
<th>83#1</th>
<th>Wt(s) (mg):</th>
<th>14.58</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wt(Xyl) (mg):</td>
<td>0.09983</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%o</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.708</td>
<td>1953.8</td>
<td></td>
<td>9.70</td>
<td>66.54</td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>14.819</td>
<td>105324.8</td>
<td>1.923</td>
<td>0.97</td>
<td>9.70</td>
<td>66.54</td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td>15.124</td>
<td>78837.3</td>
<td>1.962</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.954</td>
<td>141.4</td>
<td>4.535</td>
<td>0.76</td>
<td>0.01</td>
<td>0.07</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.778</td>
<td>544.3</td>
<td>4.771</td>
<td>0.92</td>
<td>0.03</td>
<td>0.21</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.2</td>
<td>1150.4</td>
<td>4.956</td>
<td>0.72</td>
<td>0.08</td>
<td>0.56</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.84</td>
<td>1120.4</td>
<td>5.039</td>
<td>0.8</td>
<td>0.07</td>
<td>0.49</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.004</td>
<td>1198.9</td>
<td>5.060</td>
<td>0.8</td>
<td>0.08</td>
<td>0.53</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Malulose1</td>
<td>39.376</td>
<td>665.2</td>
<td>5.108</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>Maltose+maltulose2</td>
<td>39.448</td>
<td>2450.8</td>
<td>5.118</td>
<td>0.8</td>
<td>0.04</td>
<td>0.29</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.829</td>
<td>907</td>
<td>5.167</td>
<td>1.43</td>
<td>0.03</td>
<td>0.22</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.454</td>
<td>484.2</td>
<td>5.248</td>
<td>0.44</td>
<td>0.06</td>
<td>0.39</td>
</tr>
<tr>
<td>J</td>
<td>Gentibiose</td>
<td>40.723</td>
<td>415.6</td>
<td>5.283</td>
<td>0.52</td>
<td>0.04</td>
<td>0.28</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.507</td>
<td>438.8</td>
<td>5.327</td>
<td>0.68</td>
<td>0.10</td>
<td>0.67</td>
</tr>
<tr>
<td>L</td>
<td>Palatinose2+isomaltose</td>
<td>41.393</td>
<td>1860.7</td>
<td>5.370</td>
<td>0.46</td>
<td>0.11</td>
<td>0.76</td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td>51.976</td>
<td>29.2</td>
<td>6.743</td>
<td>0.44</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.707</td>
<td>30.8</td>
<td>6.838</td>
<td>0.55</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.361</td>
<td>29.7</td>
<td>6.923</td>
<td>0.56</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.975</td>
<td>152.1</td>
<td>7.392</td>
<td>0.55</td>
<td>0.01</td>
<td>0.10</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.499</td>
<td>240</td>
<td>7.719</td>
<td>0.55</td>
<td>0.02</td>
<td>0.15</td>
</tr>
<tr>
<td>Peak Sugar</td>
<td>Peak Sugar</td>
<td>Time (min)</td>
<td>Area</td>
<td>RRT</td>
<td>RF(o)</td>
<td>Wt(o)</td>
<td>% (o)</td>
</tr>
<tr>
<td>------------</td>
<td>------------</td>
<td>------------</td>
<td>------</td>
<td>-----</td>
<td>-------</td>
<td>-------</td>
<td>-------</td>
</tr>
<tr>
<td>IS Xylitol</td>
<td>IS Xylitol</td>
<td>7.687</td>
<td>1544</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono Monosaccharides</td>
<td>Mono Monosaccharides</td>
<td>15.031</td>
<td>153949.8</td>
<td>1.955</td>
<td>0.97</td>
<td>10.27</td>
<td>63.49</td>
</tr>
<tr>
<td>A Sucrose</td>
<td>A Sucrose</td>
<td>34.943</td>
<td>154.4</td>
<td>4.546</td>
<td>0.76</td>
<td>0.01</td>
<td>0.08</td>
</tr>
<tr>
<td>B Trehalose</td>
<td>B Trehalose</td>
<td>36.762</td>
<td>249.9</td>
<td>4.782</td>
<td>0.92</td>
<td>0.02</td>
<td>0.11</td>
</tr>
<tr>
<td>C Cellobiose</td>
<td>C Cellobiose</td>
<td>38.166</td>
<td>314.1</td>
<td>4.965</td>
<td>0.72</td>
<td>0.07</td>
<td>0.46</td>
</tr>
<tr>
<td>D Laminaribiose</td>
<td>D Laminaribiose</td>
<td>38.826</td>
<td>902.7</td>
<td>5.051</td>
<td>0.8</td>
<td>0.07</td>
<td>0.45</td>
</tr>
<tr>
<td>E Nigerose+Turanose1</td>
<td>E Nigerose+Turanose1</td>
<td>39.002</td>
<td>710.4</td>
<td>5.074</td>
<td>0.8</td>
<td>0.06</td>
<td>0.36</td>
</tr>
<tr>
<td>F Turanose2+Malulose1</td>
<td>F Turanose2+Malulose1</td>
<td>39.289</td>
<td>613.9</td>
<td>5.111</td>
<td>0.8</td>
<td>0.05</td>
<td>0.31</td>
</tr>
<tr>
<td>G Maltose+maltulose2</td>
<td>G Maltose+maltulose2</td>
<td>39.398</td>
<td>975.8</td>
<td>5.125</td>
<td>0.8</td>
<td>0.21</td>
<td>1.31</td>
</tr>
<tr>
<td>H Kojibiose</td>
<td>H Kojibiose</td>
<td>39.835</td>
<td>902.1</td>
<td>5.185</td>
<td>1.43</td>
<td>0.03</td>
<td>0.24</td>
</tr>
<tr>
<td>I Melibiose</td>
<td>I Melibiose</td>
<td>40.431</td>
<td>350.5</td>
<td>5.261</td>
<td>0.44</td>
<td>0.05</td>
<td>0.32</td>
</tr>
<tr>
<td>J Gentiose</td>
<td>J Gentiose</td>
<td>40.719</td>
<td>319.4</td>
<td>5.297</td>
<td>0.52</td>
<td>0.04</td>
<td>0.25</td>
</tr>
<tr>
<td>K Palatinose1</td>
<td>K Palatinose1</td>
<td>41.05</td>
<td>232.4</td>
<td>5.340</td>
<td>0.68</td>
<td>0.07</td>
<td>0.41</td>
</tr>
<tr>
<td>L Palatinose2+isomaltose</td>
<td>L Palatinose2+isomaltose</td>
<td>41.363</td>
<td>750.1</td>
<td>5.381</td>
<td>0.46</td>
<td>0.13</td>
<td>0.80</td>
</tr>
<tr>
<td>M Palatinose2+isomaltose</td>
<td>M Palatinose2+isomaltose</td>
<td>41.394</td>
<td>624.3</td>
<td>5.385</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>O Erlose</td>
<td>O Erlose</td>
<td>52.689</td>
<td>21.9</td>
<td>6.854</td>
<td>0.55</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>Q Maltotriose</td>
<td>Q Maltotriose</td>
<td>57.003</td>
<td>154.9</td>
<td>7.416</td>
<td>0.55</td>
<td>0.02</td>
<td>0.11</td>
</tr>
<tr>
<td>R Panose</td>
<td>R Panose</td>
<td>59.485</td>
<td>119.9</td>
<td>7.738</td>
<td>0.55</td>
<td>0.01</td>
<td>0.09</td>
</tr>
<tr>
<td>S Isomaltotriose</td>
<td>S Isomaltotriose</td>
<td>60.662</td>
<td>39.4</td>
<td>7.892</td>
<td>0.56</td>
<td>0.00</td>
<td>0.03</td>
</tr>
</tbody>
</table>

**83#2** Wt(s) (mg): 16.17  
Wt(Xyl) (mg): 0.09988

**83#3** Wt(s) (mg): 15.09  
Wt(Xyl) (mg): 0.09995
<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%(o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.671</td>
<td>1546.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td>14.685</td>
<td>71819.4</td>
<td>1.914</td>
<td>0.97</td>
<td>9.33</td>
<td>65.00</td>
</tr>
<tr>
<td></td>
<td>Monosaccharides</td>
<td>14.997</td>
<td>68377.3</td>
<td>1.955</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.942</td>
<td>75.3</td>
<td>4.555</td>
<td>0.76</td>
<td>0.01</td>
<td>0.04</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.37</td>
<td>17.4</td>
<td>4.741</td>
<td>0.92</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.16</td>
<td>263.9</td>
<td>4.975</td>
<td>0.72</td>
<td>0.07</td>
<td>0.51</td>
</tr>
<tr>
<td></td>
<td>Cellobiose</td>
<td>38.194</td>
<td>555.4</td>
<td>4.979</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.824</td>
<td>688.8</td>
<td>5.061</td>
<td>0.8</td>
<td>0.06</td>
<td>0.39</td>
</tr>
<tr>
<td></td>
<td>Nigerose+Turanose1</td>
<td>38.922</td>
<td>106.1</td>
<td>5.074</td>
<td>0.8</td>
<td>0.07</td>
<td>0.48</td>
</tr>
<tr>
<td></td>
<td>Nigerose+Turanose1</td>
<td>38.977</td>
<td>407.1</td>
<td>5.081</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Nigerose+Turanose1</td>
<td>39.003</td>
<td>339.4</td>
<td>5.084</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>Turanose2+Malulose1</td>
<td>39.246</td>
<td>344.5</td>
<td>5.116</td>
<td>0.8</td>
<td>0.03</td>
<td>0.19</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+maltulose2</td>
<td>39.435</td>
<td>2544.9</td>
<td>5.141</td>
<td>0.8</td>
<td>0.21</td>
<td>1.43</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.815</td>
<td>523.6</td>
<td>5.190</td>
<td>1.43</td>
<td>0.02</td>
<td>0.16</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.44</td>
<td>240.1</td>
<td>5.272</td>
<td>0.44</td>
<td>0.04</td>
<td>0.25</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.71</td>
<td>216.2</td>
<td>5.307</td>
<td>0.52</td>
<td>0.03</td>
<td>0.19</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.037</td>
<td>182.1</td>
<td>5.350</td>
<td>0.68</td>
<td>0.05</td>
<td>0.36</td>
</tr>
<tr>
<td>L</td>
<td>Palatinose2+isomaltose</td>
<td>41.356</td>
<td>504.8</td>
<td>5.391</td>
<td>0.46</td>
<td>0.11</td>
<td>0.80</td>
</tr>
<tr>
<td></td>
<td>Palatinose2+isomaltose</td>
<td>41.373</td>
<td>671.8</td>
<td>5.393</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td>51.935</td>
<td>23.9</td>
<td>6.770</td>
<td>0.44</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.695</td>
<td>23.1</td>
<td>6.869</td>
<td>0.55</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.967</td>
<td>71.8</td>
<td>7.426</td>
<td>0.55</td>
<td>0.02</td>
<td>0.10</td>
</tr>
<tr>
<td></td>
<td>Maltotriose</td>
<td>56.988</td>
<td>56.1</td>
<td>7.429</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.483</td>
<td>183.5</td>
<td>7.754</td>
<td>0.55</td>
<td>0.02</td>
<td>0.15</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>60.641</td>
<td>36.3</td>
<td>7.905</td>
<td>0.56</td>
<td>0.00</td>
<td>0.03</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>90#1</th>
<th>Wt(s) (mg): 14.35</th>
<th>Wt(Xyl) (mg): 0.09983</th>
</tr>
</thead>
<tbody>
<tr>
<td>90#2</td>
<td>Wt(s) (mg): 14.84</td>
<td>Wt(Xyl) (mg): 0.09988</td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
</tr>
<tr>
<td>------</td>
<td>------------------------</td>
<td>------------</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.733</td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.97</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.779</td>
</tr>
<tr>
<td>C</td>
<td>Laminaribiose</td>
<td>38.001</td>
</tr>
<tr>
<td>D</td>
<td>Nigerose+Turanose1</td>
<td>38.875</td>
</tr>
<tr>
<td>E</td>
<td>Turanose2+Maltulose1</td>
<td>39.291</td>
</tr>
<tr>
<td>F</td>
<td>Maltose+Maltulose2</td>
<td>39.509</td>
</tr>
<tr>
<td>G</td>
<td>Kojibiose</td>
<td>39.874</td>
</tr>
<tr>
<td>H</td>
<td>Melibiose</td>
<td>40.469</td>
</tr>
<tr>
<td>I</td>
<td>Gentiobiose</td>
<td>40.752</td>
</tr>
<tr>
<td>J</td>
<td>Palatinose1</td>
<td>41.088</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose2+Isomaltose</td>
<td>41.419</td>
</tr>
<tr>
<td>L</td>
<td>Erlose</td>
<td>51.972</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>52.686</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.994</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.501</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>60.625</td>
</tr>
<tr>
<td>90#3</td>
<td>Wt(s) (mg):</td>
<td>15.98</td>
</tr>
<tr>
<td></td>
<td>Wt(Xyl) (mg):</td>
<td>0.09995</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%(o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.692</td>
<td>2096.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.97</td>
<td>152.4</td>
<td>4.546</td>
<td>0.76</td>
<td>0.01</td>
<td>0.06</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.764</td>
<td>351.4</td>
<td>4.780</td>
<td>0.92</td>
<td>0.02</td>
<td>0.11</td>
</tr>
<tr>
<td>C</td>
<td>Laminaribiose</td>
<td>37.979</td>
<td>883.4</td>
<td>4.937</td>
<td>0.72</td>
<td>0.06</td>
<td>0.37</td>
</tr>
<tr>
<td>D</td>
<td>Nigerose+Turanose1</td>
<td>38.849</td>
<td>1363.9</td>
<td>5.051</td>
<td>0.8</td>
<td>0.08</td>
<td>0.51</td>
</tr>
<tr>
<td>E</td>
<td>Turanose2+Maltulose1</td>
<td>39.021</td>
<td>1490.2</td>
<td>5.073</td>
<td>0.8</td>
<td>0.09</td>
<td>0.56</td>
</tr>
<tr>
<td>F</td>
<td>Maltose+Maltulose2</td>
<td>39.34</td>
<td>975.2</td>
<td>5.114</td>
<td>0.8</td>
<td>0.06</td>
<td>0.36</td>
</tr>
<tr>
<td>G</td>
<td>Kojibiose</td>
<td>39.861</td>
<td>1001.7</td>
<td>5.182</td>
<td>1.43</td>
<td>0.03</td>
<td>0.21</td>
</tr>
<tr>
<td>H</td>
<td>Melibiose</td>
<td>40.458</td>
<td>458.2</td>
<td>5.260</td>
<td>0.44</td>
<td>0.05</td>
<td>0.31</td>
</tr>
<tr>
<td>I</td>
<td>Gentiobiose</td>
<td>40.735</td>
<td>492.5</td>
<td>5.296</td>
<td>0.52</td>
<td>0.05</td>
<td>0.28</td>
</tr>
<tr>
<td>J</td>
<td>Palatinose1</td>
<td>41.062</td>
<td>409.4</td>
<td>5.338</td>
<td>0.68</td>
<td>0.09</td>
<td>0.54</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose2+Isomaltose</td>
<td>41.413</td>
<td>2000.6</td>
<td>5.384</td>
<td>0.46</td>
<td>0.12</td>
<td>0.77</td>
</tr>
<tr>
<td>L</td>
<td>Erlose</td>
<td>51.965</td>
<td>33.8</td>
<td>6.756</td>
<td>0.55</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>52.682</td>
<td>34.3</td>
<td>6.849</td>
<td>0.56</td>
<td>0.00</td>
<td>0.02</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.97</td>
<td>256.9</td>
<td>7.406</td>
<td>0.55</td>
<td>0.02</td>
<td>0.14</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.492</td>
<td>370.6</td>
<td>7.734</td>
<td>0.55</td>
<td>0.03</td>
<td>0.20</td>
</tr>
</tbody>
</table>
### Honey results for Indonesia.

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Time (min)</th>
<th>Area</th>
<th>RRT</th>
<th>RF(o)</th>
<th>Wt(o)</th>
<th>%(o)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.531</td>
<td>2027.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>14.865</td>
<td>207757.1</td>
<td>1.974</td>
<td>0.97</td>
<td>10.54</td>
<td>68.30</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.413</td>
<td>642.9</td>
<td>4.570</td>
<td>0.76</td>
<td>0.04</td>
<td>0.27</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>37.622</td>
<td>1103</td>
<td>4.996</td>
<td>0.72</td>
<td>0.08</td>
<td>0.49</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.075</td>
<td>436.1</td>
<td>5.056</td>
<td>0.8</td>
<td>0.03</td>
<td>0.17</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>38.269</td>
<td>2086.3</td>
<td>5.082</td>
<td>0.8</td>
<td>0.13</td>
<td>0.83</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>38.385</td>
<td>356.3</td>
<td>5.097</td>
<td>0.8</td>
<td>0.02</td>
<td>0.14</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+Maltulose2</td>
<td>38.763</td>
<td>2597.1</td>
<td>5.147</td>
<td>0.8</td>
<td>0.16</td>
<td>1.04</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.224</td>
<td>397.7</td>
<td>5.208</td>
<td>1.43</td>
<td>0.01</td>
<td>0.09</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>39.551</td>
<td>269.2</td>
<td>5.252</td>
<td>0.44</td>
<td>0.03</td>
<td>0.20</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>39.863</td>
<td>213.7</td>
<td>5.293</td>
<td>0.52</td>
<td>0.02</td>
<td>0.13</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>40.141</td>
<td>265.6</td>
<td>5.330</td>
<td>0.68</td>
<td>0.04</td>
<td>0.25</td>
</tr>
<tr>
<td></td>
<td>Palatinose2</td>
<td>40.438</td>
<td>259</td>
<td>5.370</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>Kestose</td>
<td>51.806</td>
<td>13.8</td>
<td>6.879</td>
<td>0.44</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>O</td>
<td>Erllose</td>
<td>51.984</td>
<td>16</td>
<td>6.903</td>
<td>0.55</td>
<td>0.00</td>
<td>0.01</td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>55.638</td>
<td>66.9</td>
<td>7.388</td>
<td>0.55</td>
<td>0.01</td>
<td>0.04</td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>57.344</td>
<td>18.5</td>
<td>7.614</td>
<td>0.55</td>
<td>0.00</td>
<td>0.01</td>
</tr>
</tbody>
</table>

### Honey results for South Korea.

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Wt(s) (mg):</th>
<th>17.26</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>Wt(Xyl) (mg):</td>
<td>0.09983</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Peak</th>
<th>Sugar</th>
<th>Wt(s) (mg):</th>
<th>17.26</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>14.905</td>
<td>91110.8</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.616</td>
<td>65.5</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.794</td>
<td>105.6</td>
</tr>
<tr>
<td>C</td>
<td>Cellobiose</td>
<td>38.213</td>
<td>755.4</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.917</td>
<td>315</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.092</td>
<td>3105.1</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Maltulose1</td>
<td>39.337</td>
<td>2026.3</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+maltulose2</td>
<td>39.532</td>
<td>3290.2</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.901</td>
<td>2011.6</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.492</td>
<td>1169.5</td>
</tr>
<tr>
<td>Peak</td>
<td>Sugar</td>
<td>Time (min)</td>
<td>Area</td>
</tr>
<tr>
<td>------</td>
<td>-------</td>
<td>------------</td>
<td>------</td>
</tr>
<tr>
<td>IS</td>
<td>Xylitol</td>
<td>7.761</td>
<td>1183.4</td>
</tr>
<tr>
<td>Mono</td>
<td>Monosaccharides</td>
<td>15.117</td>
<td>166954.7</td>
</tr>
<tr>
<td>A</td>
<td>Sucrose</td>
<td>34.629</td>
<td>29</td>
</tr>
<tr>
<td>B</td>
<td>Trehalose</td>
<td>36.775</td>
<td>41.6</td>
</tr>
<tr>
<td>C</td>
<td>Celllobiose</td>
<td>38.206</td>
<td>667.3</td>
</tr>
<tr>
<td>D</td>
<td>Laminaribiose</td>
<td>38.862</td>
<td>209</td>
</tr>
<tr>
<td>E</td>
<td>Nigerose+Turanose1</td>
<td>39.068</td>
<td>1697.1</td>
</tr>
<tr>
<td>F</td>
<td>Turanose2+Malulose1</td>
<td>39.335</td>
<td>1680.7</td>
</tr>
<tr>
<td>G</td>
<td>Maltose+maltulose2</td>
<td>39.518</td>
<td>2964.7</td>
</tr>
<tr>
<td>H</td>
<td>Kojibiose</td>
<td>39.901</td>
<td>1759.7</td>
</tr>
<tr>
<td>I</td>
<td>Melibiose</td>
<td>40.492</td>
<td>969.4</td>
</tr>
<tr>
<td>J</td>
<td>Gentiobiose</td>
<td>40.752</td>
<td>239.3</td>
</tr>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.109</td>
<td>1247.6</td>
</tr>
<tr>
<td>L</td>
<td>Palatinose2</td>
<td>41.426</td>
<td>1734.3</td>
</tr>
<tr>
<td>M</td>
<td>1-kestose</td>
<td>51.982</td>
<td>195</td>
</tr>
<tr>
<td>N</td>
<td>Erlose</td>
<td>52.702</td>
<td>270.3</td>
</tr>
<tr>
<td>O</td>
<td>Meleizitose</td>
<td>53.27</td>
<td>93.1</td>
</tr>
<tr>
<td>P</td>
<td>Maltotriose</td>
<td>56.973</td>
<td>197</td>
</tr>
<tr>
<td>Q</td>
<td>Panose</td>
<td>59.507</td>
<td>425</td>
</tr>
<tr>
<td>R</td>
<td>Isomaltotriose</td>
<td>60.661</td>
<td>158.5</td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotetraose?</td>
<td>75.68</td>
<td>41.7</td>
</tr>
<tr>
<td>113#2</td>
<td>W(s) (mg): 18.17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>W(Xyl) (mg):</td>
<td>0.09988</td>
<td></td>
<td></td>
</tr>
<tr>
<td>113#3</td>
<td>W(s) (mg): 14.69</td>
<td></td>
<td></td>
</tr>
<tr>
<td>W(Xyl) (mg):</td>
<td>0.09995</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**IS** Xylitol

**Mono Monosaccharides**

**A** Sucrose

**B** Trehalose

**C** Celllobiose

**D** Laminaribiose

**E** Nigerose+Turanose1

**F** Turanose2+Malulose1

**G** Maltose+maltulose2

**H** Kojibiose

**I** Melibiose

**J** Gentiobiose

**K** Palatinose1

**L** Palatinose2

**M** 1-kestose

**N** Erlose

**O** Meleizitose

**P** Maltotriose

**Q** Panose

**R** Isomaltotriose

**S** Isomaltotetraose?
<table>
<thead>
<tr>
<th></th>
<th>Gentiobiose</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>K</td>
<td>Palatinose1</td>
<td>41.108</td>
<td>782.6</td>
<td>5.307</td>
<td>0.68</td>
<td>0.11</td>
<td>0.74</td>
<td>2332.303</td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>Palatinose2</td>
<td>41.209</td>
<td>120.3</td>
<td>5.320</td>
<td></td>
<td></td>
<td>1429.4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>1-kestose</td>
<td>51.981</td>
<td>156.3</td>
<td>6.711</td>
<td>0.44</td>
<td>0.03</td>
<td>0.20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>O</td>
<td>Erlose</td>
<td>52.707</td>
<td>215.6</td>
<td>6.804</td>
<td>0.55</td>
<td>0.03</td>
<td>0.22</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>Melezitose</td>
<td>53.261</td>
<td>67.9</td>
<td>6.876</td>
<td>0.56</td>
<td>0.01</td>
<td>0.07</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Q</td>
<td>Maltotriose</td>
<td>56.975</td>
<td>198.9</td>
<td>7.355</td>
<td>0.55</td>
<td>0.03</td>
<td>0.20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>R</td>
<td>Panose</td>
<td>59.515</td>
<td>309.7</td>
<td>7.683</td>
<td>0.55</td>
<td>0.05</td>
<td>0.32</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>Isomaltotriose</td>
<td>60.679</td>
<td>64.8</td>
<td>7.834</td>
<td>0.56</td>
<td>0.01</td>
<td>0.06</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T</td>
<td>Isomaltotetraose?</td>
<td>75.748</td>
<td>36.3</td>
<td>9.779</td>
<td>ND</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ND = not determined