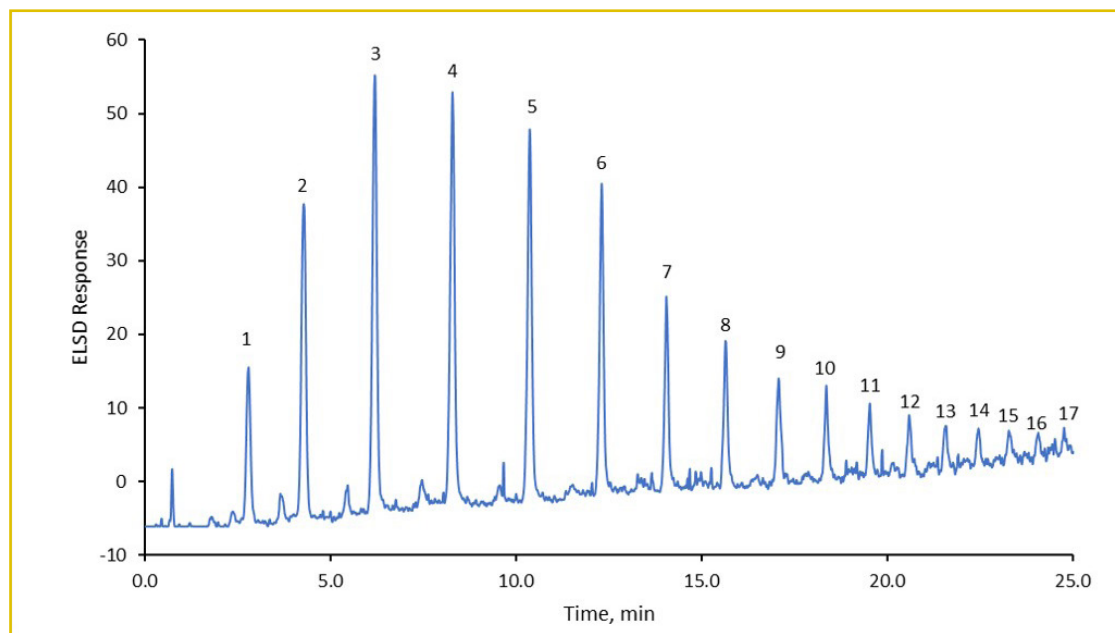




High Resolution Separation of Oligosaccharides on HALO 90 Å Penta-HILIC

272-SU



PEAK IDENTITIES:

1. DP 3
2. DP 4
3. DP 5
4. DP 6
5. DP 7
6. DP 8
7. DP 9
8. DP 10
9. DP 11
10. DP 12
11. DP 13
12. DP 14
13. DP 15
14. DP 16
15. DP 17
16. DP 18
17. DP 19

TEST CONDITIONS:

Column: HALO 90 Å Penta-HILIC, 2.7 μm , 2.1 x 150 mm

Part Number: 92812-705

Mobile Phase A: Water

Mobile Phase B: ACN

Gradient: 75-55% B in 25 min

Flow Rate: 0.5 mL/min

Pressure: 168 bar

Temperature: 65 °C

Detection: ELSD, 40 °C, 3.3 bar

Injection Volume: 20 μL

Sample Solvent: 70/30 ACN/Water

Data Rate: 10 Hz

Response Time: 0.10 sec

LC System: Shimadzu Nexera X2

High resolution of oligosaccharides is demonstrated using a dextran ladder on a HALO® Penta-HILIC column with the simple mobile phases of acetonitrile and water. The use of the evaporative light scattering detector (ELSD) eliminates the need to label the sugars with either a UV or fluorescent tag, reducing the time required for sample preparation. Peak identities are labeled by degree of polymerization (DP).

