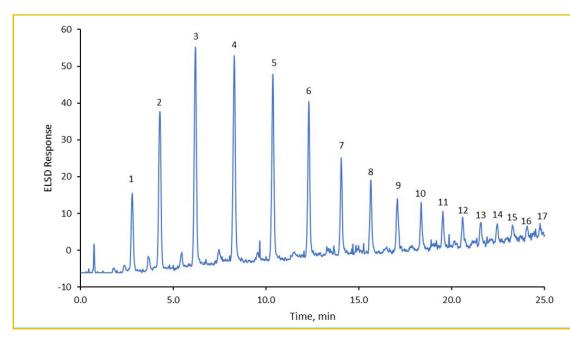


FOOD / BEVERAGE



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

272-SU



PEAK IDENTITIES:

- . 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
- 10. DP 1
- 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).



