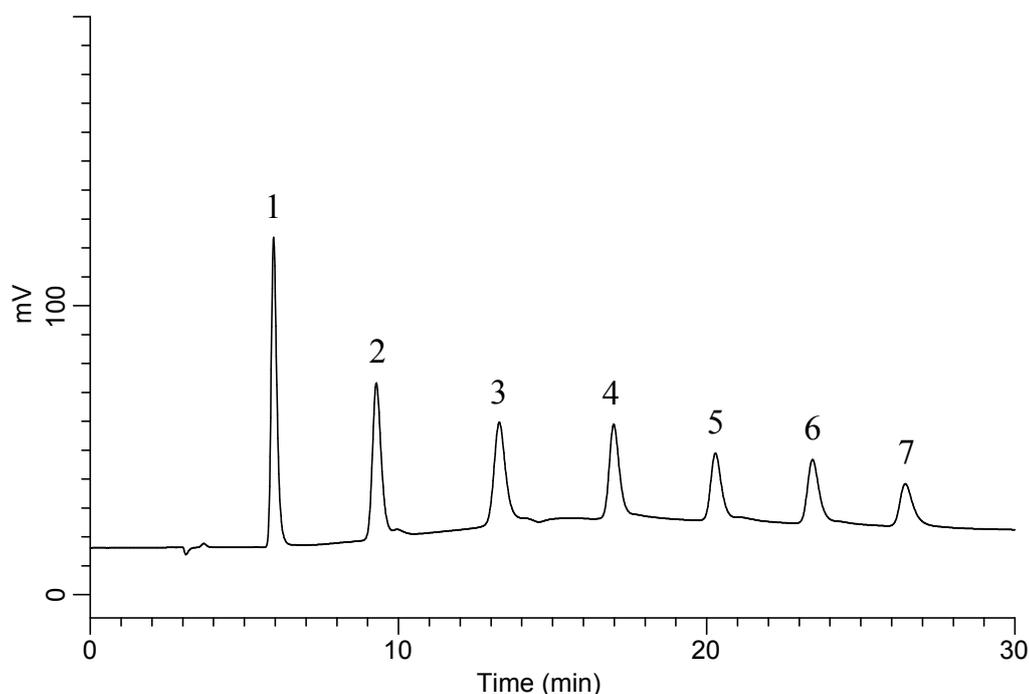


# InertSearch™ for LC

Inertsil® Applications

## Analysis of Maltooligosaccharides

Data No. LB505-0874



### Conditions

**System** : GL7700 HPLC system  
**Column** : InertSphere Sugar-1  
(5  $\mu$  m, 150 x 4.6 mm I.D.)  
**Column Cat. No.** : 5020-11001  
**Eluent** : A) 50 mM NaOH in H<sub>2</sub>O  
B) (50 mM NaOH + 400 mM CH<sub>3</sub>COONa) in H<sub>2</sub>O

| Time (min) | A (vol%) | B (vol%) |
|------------|----------|----------|
| 0.0        | 85       | 15       |
| 30.0       | 50       | 50       |

### Analyte:

1. Glucose 10 mg/L  
2. Maltose 10 mg/L  
3. Maltotriose 10 mg/L  
4. Maltotetraose 10 mg/L  
5. Maltopentaose 10 mg/L  
6. Maltohexaose 10 mg/L  
7. Maltoheptaose 10 mg/L

**Flow Rate** : 0.5 mL/min  
**Col. Temp.** : 30 °C  
**Detection** : ECD Pulse Mode (ED723, Gold)  
E1: 150 mV t1: 600 ms  
E2: -1500 mV t2: 50 ms  
E3: 600 mV t3: 50 ms  
E4: -200 mV t4: 100 ms  
ts: 50 ms

**Injection Vol.** : 10  $\mu$  L  
**Sample** : Standard