

Determination of lactose in lactose free products via HPAEC-PAD

Method VFD0137J
HPLC

Column: RCX-10, 250 x 4.6 mm, PEEK hardware

Phase:

Eluent: 30 mM NaOH continuously sparged with helium
Gradient: Isocratic
Flow rate: 2 ml/min
Temperature: 30 °C (column and flow cell)
Volume: 50 µL

Detection: ECD
E cell: E1, E2, E3: 0.05, 0.75, -0.80 Volt ts, t1, t2, t3: 0.06, 0.5, 0.13, 0.12 seconds
I-cell: 300 – 500 nA

Substances: Glucose, Sucrose, Lactose

Keywords: Lactose, Lactose-free, Carbohydrates, Sugar

Chromatogram:

- 1 Glucose
- 2 Sucrose
- 3 Lactose

