Introduction
Gas chromatography with an Agilent CP-Wax 52 CB column separates residual solvents in yoghurt in 16 minutes.
Conditions

Technique: GC-PTI

Column: Agilent CP-Wax 52 CB, 0.32 mm x 25 m fused silica

Temperature: 80 °C (5 min) → 210 °C, 15 °C/min; 210 °C (7 min)

Carrier gas: He, 50 kPa (0.5 bar, 7.2 psi)

Injector: TCT

Cold trap: CP-Sil 8 CB, 0.53 mm; df = 5 μm

Precool temp.: -100 °C

Precool time: 3 min

Purge time: 10 min

Purge flow: 10 mL/min

Injection temp.: 200 °C

Injection time: 1 min

Backflush flow: 50 mL/min

Detector: FID

T = 250 °C

Sample Size: 25 mL, 1:1 dilution with water and addition of anti-foaming agent

Sample Temperature: ambient

Concentration Range: ppb/ppm

Courtesy: DOW Benelux, Temeuzen, The Netherlands

Peak identification

1. ethylbenzene
2. styrene

www.agilent.com/chem

This information is subject to change without notice.
© Agilent Technologies, Inc. 2011
Printed in the USA
31 October, 2011
First published prior to 11 May, 2010
A01046