

Analysis of Beer using Agilent J&W FactorFour VF-WAXms GC Columns

Application Note

Author

Helena Jacobse
Agilent Technologies, Inc.

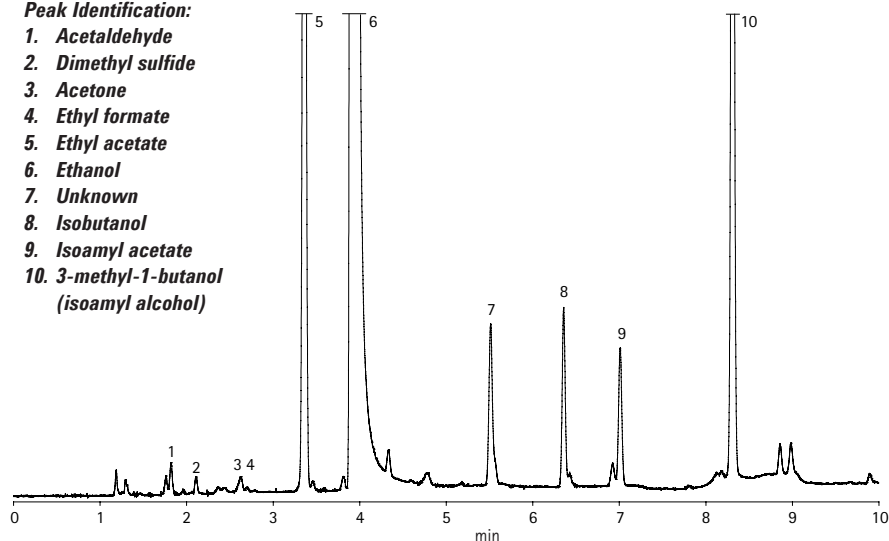
Conditions

Technique: GC-FID
Column: VF-WAXms 30 m x 0.32 mm df =
1.0 μ m (part number CP9211)
Temperature: 55 °C (2 min) to 220 °C with 10
°C/min

Carrier Gas: Helium, 0.7 bar
Injector: 250 °C, split 30 mL/min
Detector: 275 °C, FID
Sample Size: 1 mL
Sample: Beer, headspace 60 °C

Peak Identification:

1. Acetaldehyde
2. Dimethyl sulfide
3. Acetone
4. Ethyl formate
5. Ethyl acetate
6. Ethanol
7. Unknown
8. Isobutanol
9. Isoamyl acetate
10. 3-methyl-1-butanol
(isoamyl alcohol)



Analysis of beer using VF-WAXms GC columns

www.agilent.com/chem

This information is subject to change without notice.

© Agilent Technologies, Inc. 2010

Published in UK, October 08, 2010

SI-00940



Agilent Technologies