

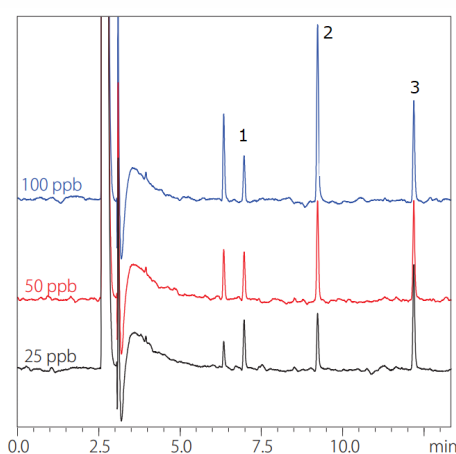
CoreFocus
Report
No.331

GC ECD HS SH Series

SH-624

Analysis of Diacetyl and 2,3-pentanedione in Beer

Keywords: Vicinal Diketones, VDK, Off-flavour, Headspace sampler



1. Diacetyl
2. 2,3-pentanedione
3. 2,3-hexanedione (IS)

Main Unit	: Nexis™ GC-2030 / ECD-2010 Exceed
Injection Mode	: Split
Split Ratio	: 1:20
Carrier Gas	: He
Carrier Gas Control	: Constant Linear Velocity (40 cm/s)
Column	: SH-624 (60 m x 0.32 mm I.D. df = 1.80 μm), P/N: 221-75864-60
Column Temp.	: 50 °C - 5 °C/min - 120 °C(6 min)
Detector Temp.	: 130 °C
ECD current	: 2.5 nA
Detector Gas	: N ₂ 15 mL/min

HS-20	
Mode	: Loop
Oven Temp.	: 40 °C
Sample Line Temp.	: 90 °C
Transfer Line Temp.	: 95 °C
Vial Pressure	: 150 kPa
Vial Heat-retention Time	: 40 min
Vial Pressurization Time	: 1 min
Vial Pressurization	: 0.1 min
Equilibrating Time	
Loading Time	: 0.5 min
Loading Pressurization Time	: 0.1 min
Injection Time	: 0.5 min
Needle Flush Time	: 5 min

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