

# 200 Series GC

## Application Note

### Analysis of Diacetyl in Beer (Pale Ale)

Application Number: 009



- 1 2,3 Butanedione (Diacetyl) 9.99 ppb
- 2 2,3 Pentanedione (Acetyl Propionyl) 2.49 ppb

**Column:** 1.5M Glass Packed Column 2mm I.D  
80/20 Carbopack BAW  
5% Carbowax 20M

**Sample:** 2ml of sample in 20ml Vial Purged  
with nitrogen

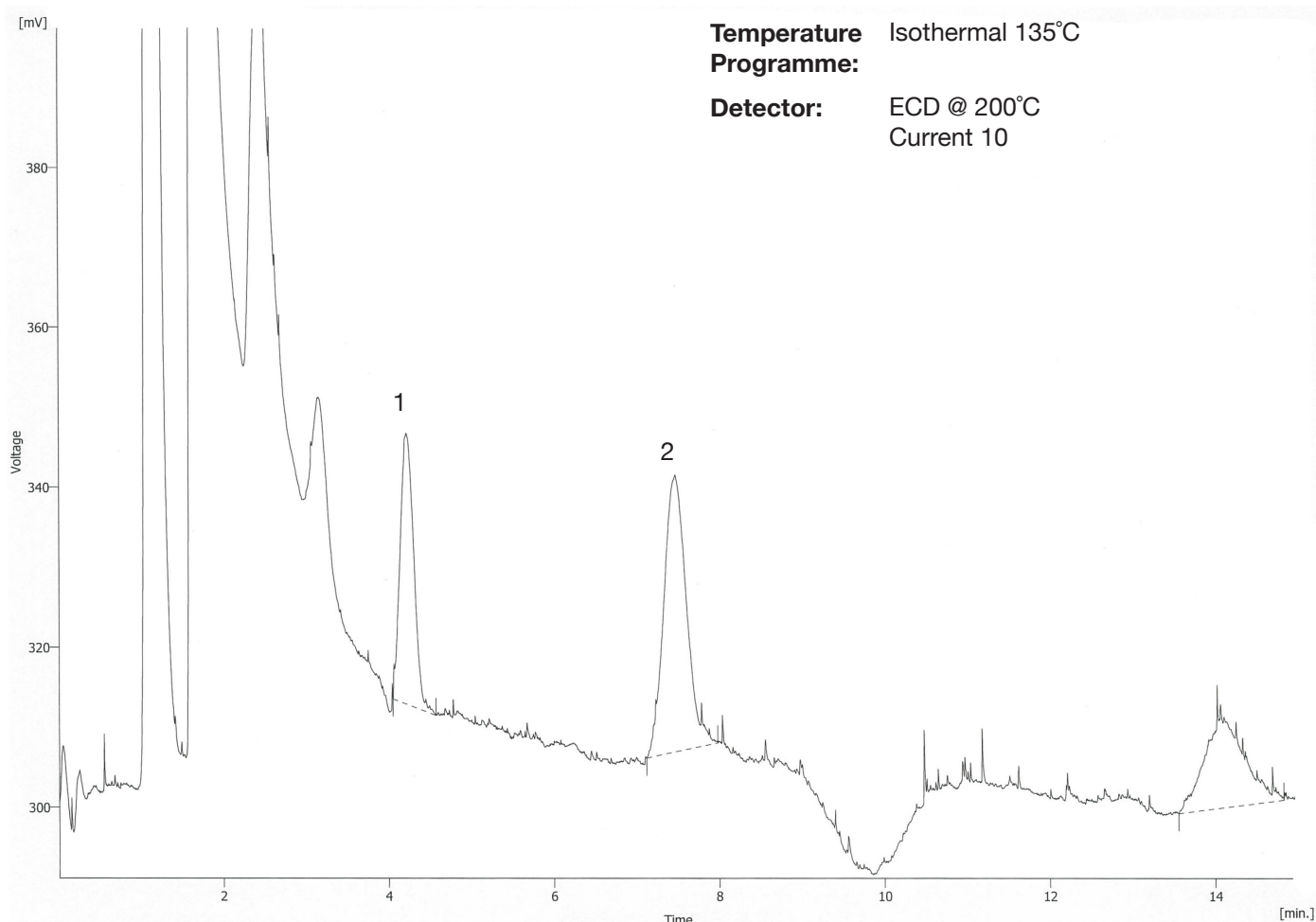
**Headspace:** Incubation temp 60°C  
Incubation time 15:00  
Agitation Speed 750rpm  
Agitation on time 10s  
Agitation off time 1s  
Syringe temp 80C  
Sample Volume 1ml

**Injector:** Split @ 160°C  
Split flow 6ml/min

**Column  
Pressure:** 12 psi

**Temperature  
Programme:** Isothermal 135°C

**Detector:** ECD @ 200°C  
Current 10



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