

# Analysis of Beer using SCION-WAXMS GC Column



## Application Note

AN0040

### SCION GC-HS-FID

#### Headspace Conditions

Oven	60°C
Sample Loop	60°C
Transfer Line	100°C
Vial Equib Time	20 minutes
Fill Pressure	15psi at 50mL/min
Inject Time	0.5 minutes

#### GC-FID conditions

S/SL	250°C, Split 30mL/min
Sample	1mL Beer
Column	SCION-WaxMS 30m x 0.32mm x 1.0µm
Oven Programme	55°C (2mins) to 220°C at 10°C/min
Carrier Gas	Helium 0.7 bar
FID	275°C

#### Peak Identification

1	Acetaldehyde
2	Dimethyl Sulphide
3	Acetone
4	Ethyl Formate
5	Ethyl Acetate
6	Ethanol
7	Unknown
8	Isobutanol
9	Isoamyl Acetate
10	Isoamyl Alcohol

