

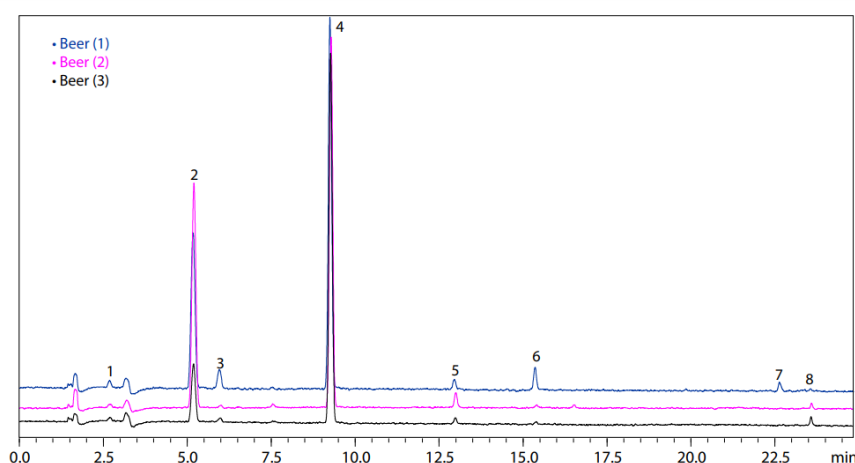
CoreFocus
Report
No.322

GC SCD HS SH Series

SH-I-1MS

Analysis of Volatile Sulfur Compounds in Beer

Keywords: Beer, Volatile sulfur compounds, Sulfide, Thiol



1. Methanethiol (Methyl Mercaptan)
2. Dimethyl Sulfide (DMS)
3. Carbon Disulfide
4. Ethyl Methyl Sulfide [Internal Standard]
5. S-Methyl Thioacetate
6. Dimethyl Disulfide (DMDS)
7. Diethyl Disulfide
8. Dimethyl Trisulfide

Model : Nexis™ GC-2030/SCD-2030/HS-20

GC-2030

Injection Mode : Split
 Split Ratio : 1:5
 Carrier gas control : Constant Linear Velocity (45 cm/s)
 Column : SH-I-1MS (30 m x 0.32 mm I.D. df = 4.0 μm), P/N: 227-36011-01
 Column Temp. : 35 °C(5 min) - 5 °C/min - 100 °C(0 min) - 10 °C /min - 230 °C (5 min)

SCD-2030

Interface Temp : 200 °C
 Electric Furnace Temp. : 850 °C
 Detector Gas : H₂ 80.0 mL/min
 N₂ 40.0 mL/min
 O₂ 10.0 mL/min
 O₃ 25.0 mL/min

HS-20

Mode : Loop
 Oven Temp. : 45 °C
 Sample Line Temp. : 95 °C
 Transfer Line Temp. : 95 °C
 Vial Pressure : 150 kPa
 Vial Heat-retention Time : 40 min
 Vial Pressurization Time : 1 min
 Vial Pressurization Equilibrating Time : 0.1 min
 Loading Time : 1 min
 Loading Pressurization Time : 0.1 min
 Injection Time : 1 min
 Needle Flush Time : 5 min

Source : Application News G304 ([JP](#), [ENG](#))

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