

CoreFocus
Report
No. 513

GCMS

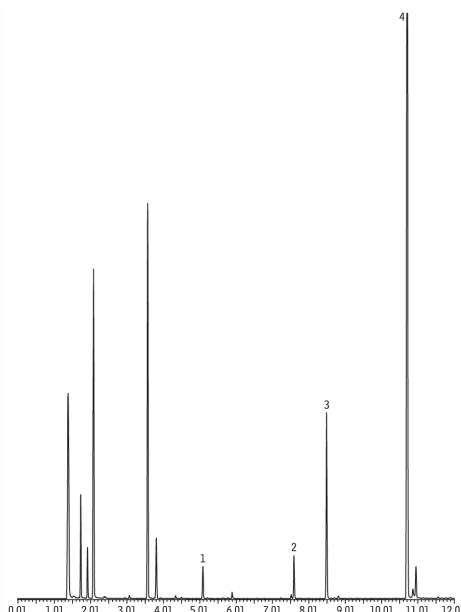
MS

SH Series

SH-I-5MS

Analysis of Fresh garlic

Keywords: Flavor component, Food Science



1. Allylmethylsulfide
2. 3,3'-thiobis-1-propene
3. Allyl mercaptan
4. Diallyl disulphide

Instrument	: GCMS
Column	: SH-I-5MS (30 m x 0.25 mm I.D. df = 1.00 µm), P/N: 227-36022-02)
Guard column	: IP Deactivated guard column (5 m x 0.32 mm I.D.), P/N: 10044)
Column temp.	: 35 °C (1 min) - 15 °C/min - 220 °C - 45 °C/min - 300 °C-
Inj.	: Split
Split ratio	: 1:10
Inj. temp.	: 220 °C
Flow rate	: 1.5 mL/min
Carrier gas	: He
Detector	: MS
Ionization mode	: EI

Head Space Autosampler	
Column pressure	: 103 kPa (15 psi)
Inj. pressure	: 207 kPa (30 psi)
Vial pressure time	: 1 min
Injection time	: 0.02 min
Oven temp.	: 80 °C
Needle temp.	: 90 °C
Transfer line temp.	: 110 °C

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