

CoreFocus
Report
No.349

GC

SCD

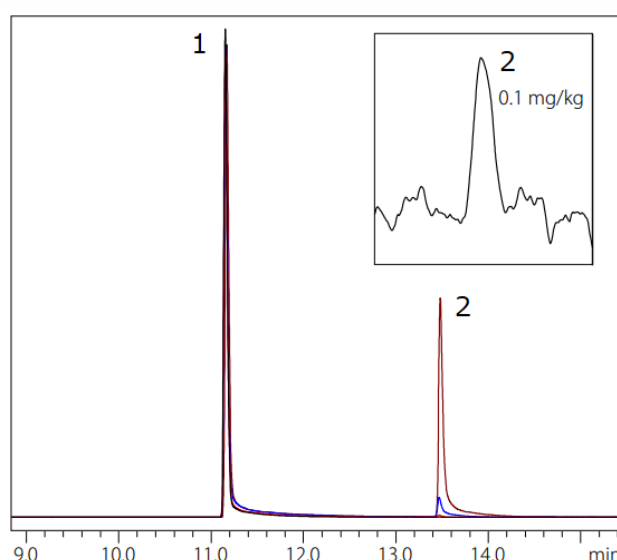
AOC

SH Series

SH-5

Analysis of Dibenzyl Disulfide in Insulating Oil Using SCD

Keywords: total sulfur analysis



1. Diphenyl disulfide (DPDS)
2. Dibenzyl disulfide (DBDS)
(0.1 - 100 mg/kg)

Main Unit	: Nexis™ GC-2030 / SCD-2030	
Injection Volume	: 1 µL	
Injection Unit	: SPL	
Injection Temp.	: 275 °C	
Injection Mode	: Split	
Split Ratio	: 1:5	
Carrier Gas	: He	
Carrier Gas Control	: Linear velocity (45.0 cm/s)	
Column	: SH-5 (30 m x 0.32 mm I.D. df = 0.25 µm), P/N: 221-75703-30	
Column Temp.	: 90 °C - 10 °C/min - 275 °C (20 min)	
Interface Temp.	: 250 °C	
Electric Furnace Temp.	: 850 °C	
Detector Gas	H ₂ 100.0 mL/min	N ₂ 10.0 mL/min
	O ₂ 12.0 mL/min	O ₃ 25.0 mL/min

Source : Application News G334 ([JP](#), [ENG](#))

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