

CoreFocus

Report

No.353

GC

FID

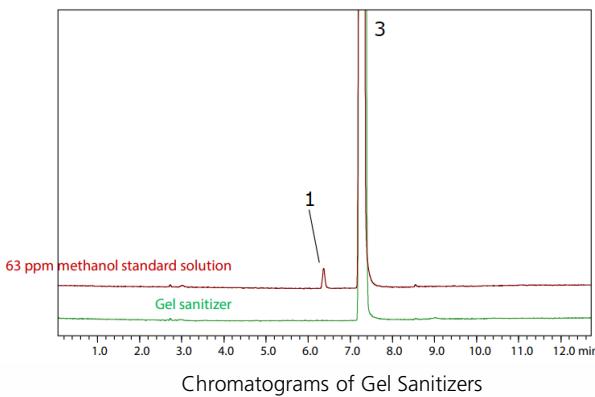
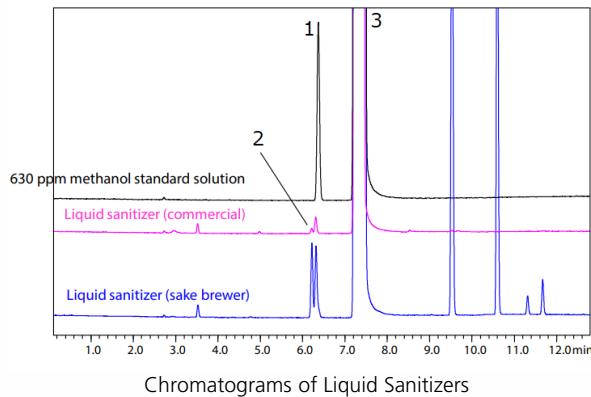
AOC

SH Series

SH-Wax

Analysis of Methanol in Ethanol-based Sanitizer

Keywords: Methanol concentration in ethanol



1. Methanol
2. Ethyl acetate
3. Ethanol

Main Unit	: Nexis™ GC-2030 + AOC-20i Plus
Detector	: FID-2030 flame ionization detector
Column	: SH-Wax (30 m x 0.32 mm I.D. df = 0.50 µm), P/N: 221-75896-30
Column Temp.	: 40 °C (5 min) - 10 °C/min - 100 °C (2 min) Total 13 min
Injection Temp.	: 250 °C
Injection Mode	: Split
Split Ratio	: 1:100
Carrier Gas	: He
Carrier Gas Controller	: Constant Column Flow Rate (1 mL/min)
Detector Temp.	: 250 °C
FID H ₂ Flow Rate	: 32 mL/min
FID Make Up Gas Flow Rate	: 24 mL/min (He)
FID Air Flow Rate	: 200 mL/min
Injection Volume	: 1.0 µL

Sample Preparation Method

	Liquid		Gel	
	Standard	Sample	Standard	Sample
National Tax Agency Predetermined Analysis Method Item 11	630 ppm MeOH (diluted with 80 % EtOH)	Not diluted	63 ppm MeOH (diluted with 8 % EtOH)	Diluted 10x with water

Source : Application News G337 ([JP](#), [ENG](#))

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