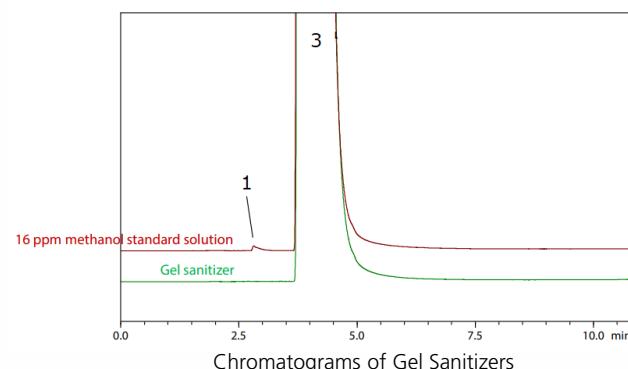
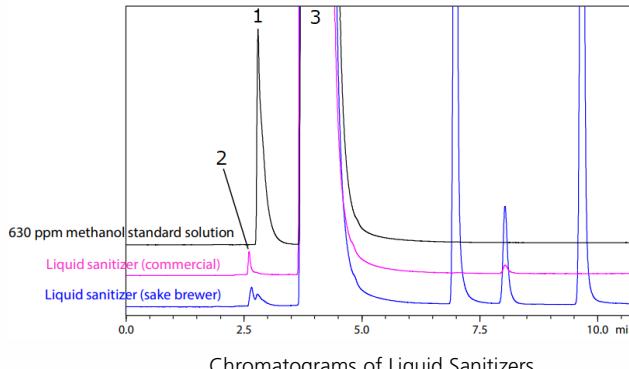


CoreFocus
 Report
 No.355

GC FID AOC SH Series

SH-624
Analysis of Methanol in Ethanol-based Sanitizer
Keywords: Methanol concentration in ethanol

 1. Methanol
 2. Acetaldehyde
 3. Ethanol

Main Unit	:	Nexis™ GC-2030 + AOC-20i Plus
Detector	:	FID-2030 flame ionization detector
Column	:	SH-624 (30 m x 0.53 mm I.D. df = 3 µm), P/N: 221-76158-30
Column Temp.	:	40 °C (5 min) - 5 °C/min - 90 °C (2 min) Total 17 min
Injection Temp.	:	150 °C
Injection Mode	:	Direct injection (WBI-2030 direct injection inlet)
Carrier Gas	:	He
Carrier Gas Controller	:	Constant Column Flow Rate (3.00 mL/min)
Detector Temp.	:	150 °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	:	0.2 µL

Sample Preparation Method

	Liquid		Gel	
	Standard	Sample	Standard	Sample
Japanese Industrial Standards JIS K8101	630 ppm MeOH (diluted with 99.5 % EtOH)	Not diluted	16 ppm MeOH (diluted with 99.5 % EtOH)	Diluted 40x with 99.5 % EtOH

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

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