

CoreFocus
Report
No.348

GC

FID

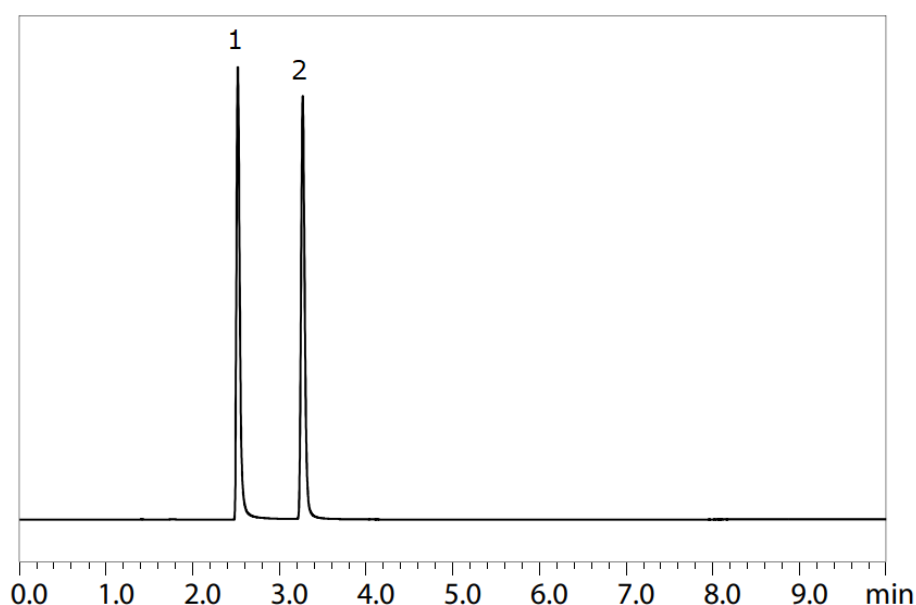
AOC

SH Series

SH-624

**Alcohol Determination of Sanitizer Gel in
accordance with USP<611>**

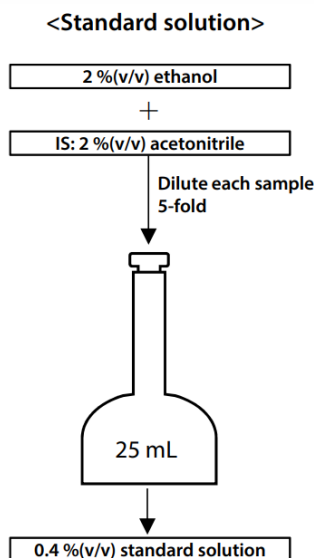
Keywords: ethanol, split glass insert



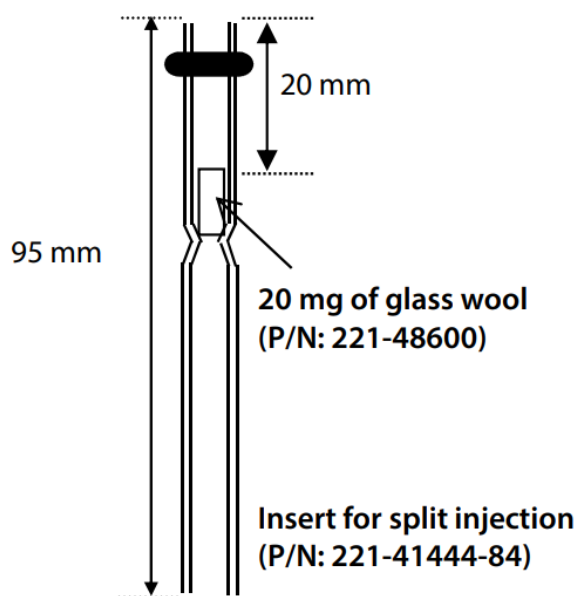
1. Ethanol
2. Acetonitrile (IS)

Model	: 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 Temperature	: 50 °C (5 min) - 10 °C/min - 200 °C (4 min) Total 24 min
Injection Temperature	: 210 °C
Injection Mode	: Split
Split Ratio	: 1:5
Carrier Gas Controller	: Linear Velocity (He)
Linear Velocity	: 34 cm/s
Detector Temperature	: 280 °C
FID H ₂ Flow Rate	: 32 mL/min
FID Make up Flow Rate	: 24 mL/min (He)
FID Air Flow Rate	: 200 mL/min
Sample Injection Volume	: 0.2 μL
Syringe	: Elastic Syringe, AOC, P/N: 221-49548*

* When samples in aqueous solution are analyzed with a standard syringe for AOC-20i Plus, the plunger motion may become dull during analysis, which affects repeatability. Using an elastic syringe for AOC (P/N: 221-49548) equipped with a plunger made of titanium enables stable sample introduction.



Sample Preparation Method



Source : Application News G333 ([JP](#), [ENG](#))

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