

MEET THE HIGHEST QUALITY STANDARDS FOR QUALITY AND PROCESS EFFICIENCY

The Measure of Confidence



Agilent Fuel Ethanol Analyzers

International compliance standards dictate strict specifications for ethanol purity and oxygenate content; they also require fuel ethanol to be denatured, rendering it unfit for human consumption.

To remain compliant, you must reliably test ethanol for contamination, monitor/report ethanol/methanol concentrations in raw materials, and determine oxygenate levels in finished products. These tests must be performed for bulk fuel ethanol, as well as fuel products blended with ethanol and other oxygenates.

Confidently optimize and develop scalable processes for confirming ethanol purity and final product quality

Agilent Fuel Ethanol Analyzers are based on Agilent's 7890B GC system. Each is factory pre-tested and pre-configured to quickly deliver results critical to your processes, while saving you precious start-up time.

Choose from standard configurations, as well as custom analyzers to meet *your* specific requirements for monitoring process efficiency, establishing denaturant content, and validating product quality.



Agilent Fuel Ethanol Analyzers include innovative technology and reflect our stringent quality control process. Systems include:

Factory

- System setup and leak testing
- Instrument checkout
- Installation of appropriate column
- Factory-run checkout method using application checkout mix

Delivery

- Instrument manual and Application Note (or chromatogram) for running the method
- CD-ROM with method parameters and checkout data files for easy out-of-the-box operation
- Consumables included – no separate ordering required
- Easy consumables re-ordering information

Installation

- Duplicate factory checkout with checkout sample – onsite by factory-trained support engineer
- Optional application startup assistance



Agilent Technologies

Standard and Custom Fuel Ethanol Analyzers

These “ready-to-go” systems allow you to confidently monitor process efficiency, and conform to stringent regulations for ethanol, methanol, heptane, benzene, and toluene in finished fuel products.

- **Analyzers are pre-configured and factory tested per a number of standard methods** – including ASTM D5501, D4815 and D7754 – to ensure that your facility meets compliance and reporting criteria.
- **Each analyzer arrives ready to perform your specific application.** Systems include proven analysis methods and checkout samples that can reduce method development costs by up to 80%.
- **Required columns and supplies are included for “out-of-the-box” setup and operation**, so your laboratory can begin system calibration and performance validation *immediately following installation*.
- **Optional Deans Switch allows cost-effective, 2-D GC analysis of oxygenates and aromatics per EN 13132.** Co-eluting compounds are separated from target analytes using a second column with a different stationary phase. This configuration conforms to the EN 13132 method.

Part Number	Description	Configured per
7890-0520	Fuel Ethanol Analyzer	ASTM D5501
G3445B#614	Oxygenates in Fuel Analyzer	ASTM D4815
G3445B#611	Oxygenates and Aromatics in Fuel Analyzer, 1-Channel	ASTM D4815
G3445B#612	Oxygenates and Aromatics in Fuel Analyzer, 2-Channel	ASTM D4815
7890-0308	Oxygenates, Aromatics, and Benzene in Fuel Analyzer	ASTM D4815
7890-0340	Trace Oxygenates in Reformulated Gasoline Analyzer	ASTM D7754
G3445B#617	Oxygenates and Aromatics in Gasoline Analyzer	EN 13132

Ordering information:

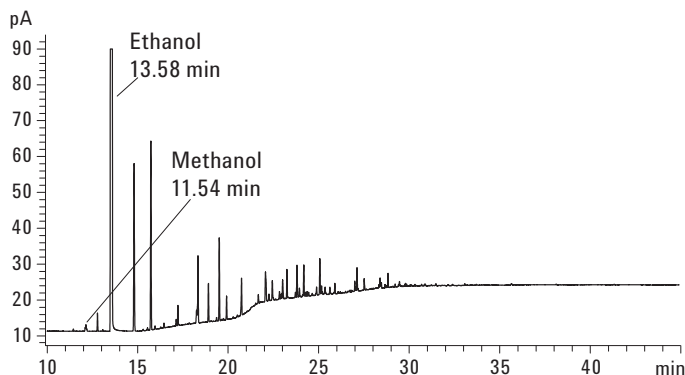
Consult with your Agilent Account Manager or visit www.agilent.com/chem

Put your applications on the fast track

Contact your local Agilent Representative or Agilent Authorized Distributor at www.agilent.com/chem/contactus

Or call **800-227-9770** (in the U.S. or Canada)

Visit www.agilent.com/chem/appkits for a description of available Analyzers and Application Kits



Analysis of a commercial denatured fuel ethanol sample per ASTM D5501.
Five aliquots of sample were each measured two times for a total of ten runs.

This information is subject to change without notice.

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