

# Combined Methods Ethers and Alcohols in Gasoline

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## ASTM D4815 and D5580

System configuration is a combination of two analytical systems configured on an Agilent Technologies 7890N Series Gas Chromatograph with flame ionization detector (FID).

ASTM D4815, Determination of Ethers and Alcohols in Finished Gasoline by FID.

### **Determines Components with ASTM D4815 with the FID**

- Methyl tert-butylether (MTBE)
- Ethyl tert-butylether (ETBE)
- tert-Amylmethylether (TAME)
- Diisopropyl ether (DIPE)
- Methanol
- Ethanol
- Isopropanol
- n-Propanol
- Isobutanol
- tert-Butanol
- sec-Butanol
- n-Butanol
- tert-Amyl alcohol

ASTM D5580, Benzene, Toluene, Ethyl benzene, p/m-Xylene, o-Xylene, C9 and Heavier Aromatics, and Total Aromatics in Finished Gasoline by FID.

### **Methods 2 & 3**

#### **Two additional methods will be developed to perform ASTM D5580,**

- Benzene
- Toluene
- Ethyl benzene
- p/m-Xylene
- o-Xylene
- C9 and Heavier Aromatics
- Total Aromatics