

Oxygenates in Gasoline and Naphtha Using the Oxygenate Flame Ionization Detector

ASTM D5599

Configuration of an Agilent Technologies 7890A Gas Chromatograph for oxygenates in blended gasoline analysis or naphtha by oxygenate flame ionization detector (O-FID).

Determines Components

- Methanol
- Ethanol
- Isopropanol
- t-Butyl alcohol
- n-Propanol
- Methyl tert-butyl ether (MTBE)
- Isobutyl alcohol
- t-Amylmethyl ether (TAME)
- Ethyl tert-butyl ether (ETBE)
- Diisopropyl ether (DIPE)
- sec-Butanol
- n-Butanol
- tert-Pentanol
- Dimethoxyethane

The lower quantifiable limit for the application is 0.10 wt%.