

# Determination of oxygenates in finished gasoline by ASTM D4815 #1501V Oxygenates Analyzer

## Configuration:

### Configured by method:

ASTM D4815, ASTM D5580

### Analyzer Configuration:

1-valve, Auxiliary column oven,  
Columns (1-micropacked & 1-capillary)

### Instrument Configuration:

C9000, 1xFID, 1xTCD, S/SL inlet

### Carrier Gas:

He

### Oven temperature:

Programming

### Sample Type:

Finished gasoline

### Analyzed Compounds:

**ASTM D4815:** MTBE, ETBE, TAME, DIPE, methanol, ethanol, isopropanol, n-propanol, isobutanol, tert-butanol, sec-butanol, n-butanol, tert-pentanol

**ASTM D5580:** benzene, toluene, ethylbenzene and xylenes, C9 and heavier aromatics, total aromatics

### Quantification range:

from 0.2 to 20 mass.% for ethers

from 0.2 to 12 mass.% for alcohols

### Run Time:

20 min

## Features & Benefits:

- GC hardware allows determination of both oxygenates by ASTM D4815 and aromatics by ASTM D5580
- Auxiliary oven forming independent temperature controlled zone for micropacked column provides better separation of target components and column extended lifetime.
- TCD detector intended for monitoring peaks eluting from micropacked columns enables easy optimization of operating mode for the best analyzer performance
- Cost-effective configuration without TCD and auxiliary oven is available by request.

## Chromatogram:

