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

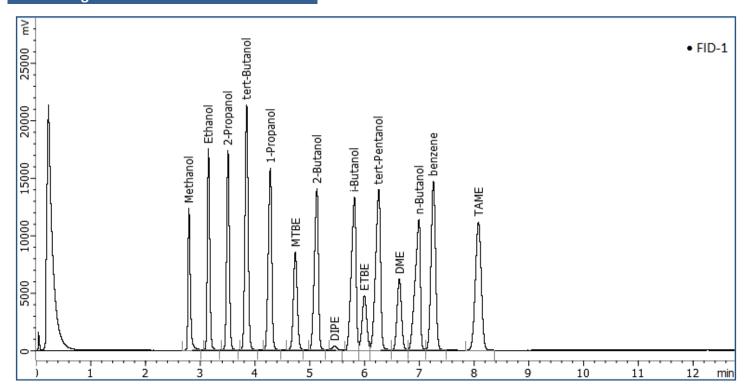
Run Time:

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:





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Yoshkar-Ola, Russian Federation

Date of current version: 22.02.2016

Date of first version: 22.02.2016

09-112-6007EN