

Determination of aromatics in finished gasoline by ASTM D5580

#1401V Aromatics Analyzer

Configuration:

Configured by method:

ASTM D5580, ASTM D4815

Analyzer Configuration:

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

Instrument Configuration:

C9000, 1x FID, 1x TCD, S/SL inlet

Carrier Gas:

He

Oven temperature:

Programming

Sample Type:

Finished gasoline

Analyzed Compounds:

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

ASTM D4815: MTBE, ETBE, TAME, DIPE, C1-C5 alcohols

Quantification range:

0.1 to 5 % for benzene; 1 to 15% for toluene;

0.5 to 10 % for individual C8 aromatics;

5 to 30 % for C9 and heavier aromatics;

10 to 80% for total aromatics

Run Time:

20 min

Features & Benefits:

- GC hardware allows determination of both aromatics by ASTM D5580 and oxygenates by ASTM D4815.
- 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:

