

# GS-Tek

## GS-Tek ANALYZER

Accuracy/High efficiency/Fast speed/Reliability



**Offer you an accurate and reliable analytical solution**  
**Diversified combinations and affordable system configuration**  
**Timely after-sales support service, your best partner**

This system, which realizes the measurement and analysis of oxygenates and aromatic hydrocarbons in gasoline, could meet the requirements of ASTM D4815, ASTM D5580, UOP-960, SH/T0663 and SH/T0693 test method. The installment of inert pipelines and joints in full flow could help reduce adsorption and improve peak symmetry to analyze trace amount of oxygenates.



## Analyzer of Oxygenates and Aromatic Hydrocarbons in Gasoline

### Features of Analyzer:

1. Full inert-treatment flow path to effectively reduce adsorption.
2. could be used for the analysis of trace amount of oxygenates.
3. good peak symmetry.
4. FID detector can be upgraded to oxyFID detector with higher sensitivity and accuracy.



# Analyzer of Oxygenates and Aromatic Hydrocarbons in Gasoline

## Instrument configurations:

One valve and two columns (micro-packed column and capillary column) / FID / liquid autosampler

Compliance with Test Method Standard:

ASTM D4815, ASTM D5580, UOP-960, SH/T0663, SH/T0693

Note: the system can be equipped to SHIMADZU and AGILENT host system

Sample:

gasoline sample or similar component sample

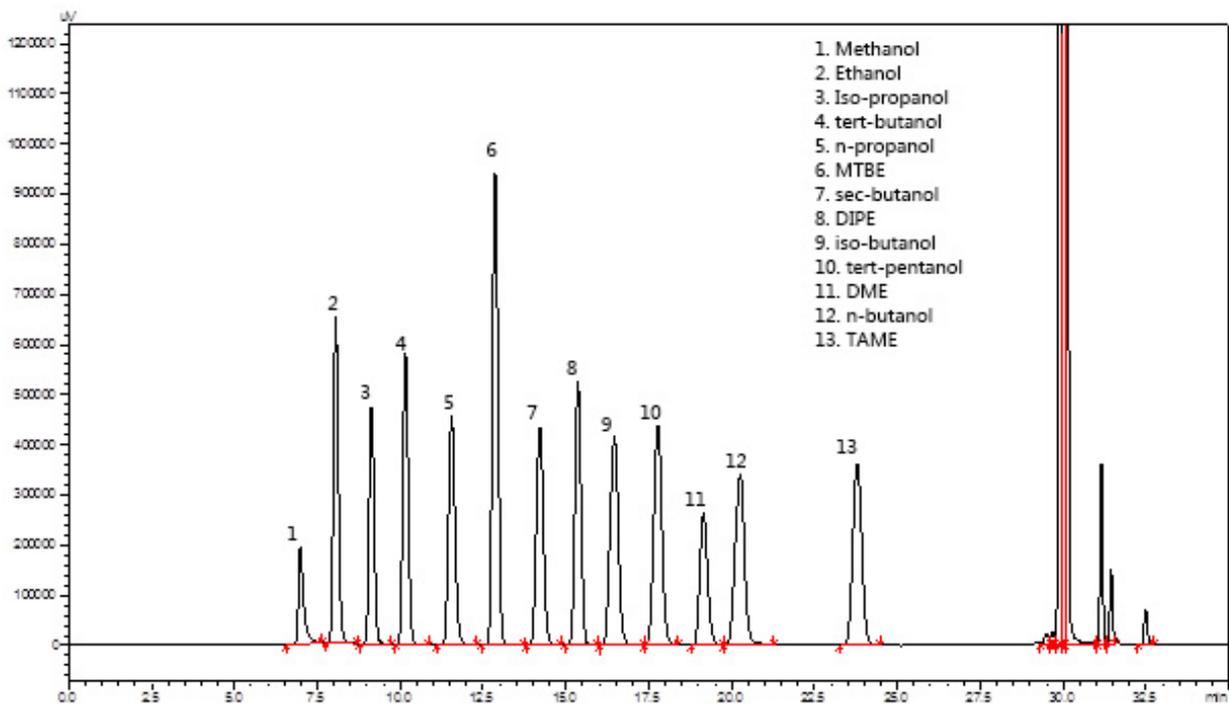
Target compounds:

1. Oxygenates in gasoline: methanol, ethanol, Iso-propanol, tert-butanol, n-propanol, MTBE, sec-butanol, DIPE, iso-butanol, tert-pentanol, DME, n-butanol and TAME
2. BTEX in gasoline: benzene, Toluene, C8 aromatics, C9 and heavy aromatics

Detection sensitivity:

1. oxygenates in gasoline: 5ppm~1000ppm or 0.1%~20%;
2. BTEX in gasoline: Benzene: 0.1 ~ 5%; Toluene: 1 ~ 15%; C8 aromatics : 0.5 ~ 10%; C9 and heavy aromatics: 5 ~ 30%

Typical chromatogram:

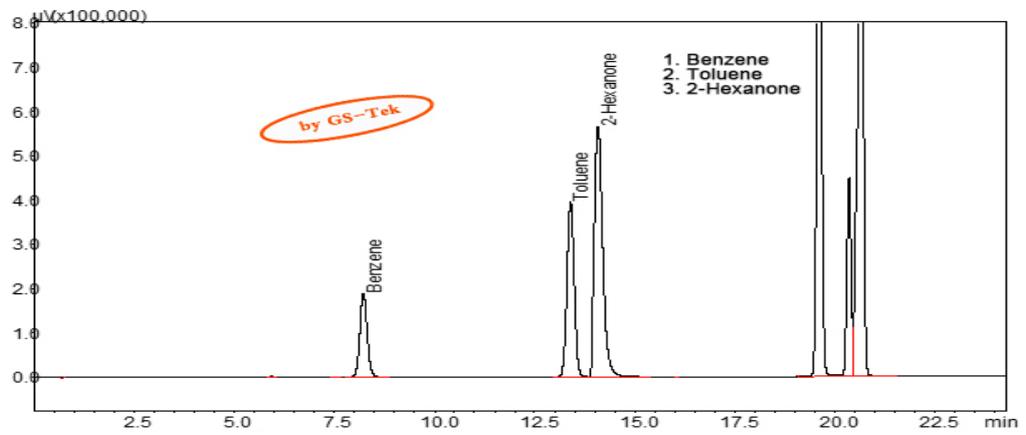


ASTM-D4815 Typical chromatogram

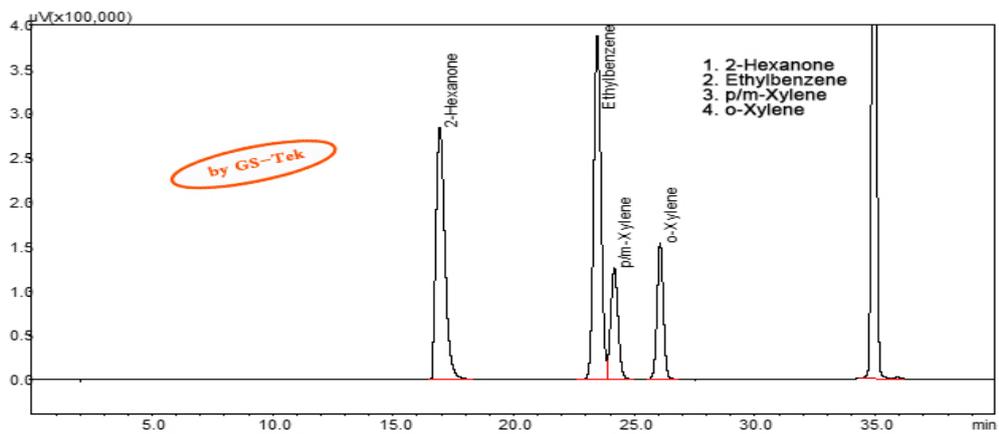


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Typical chromatogram:

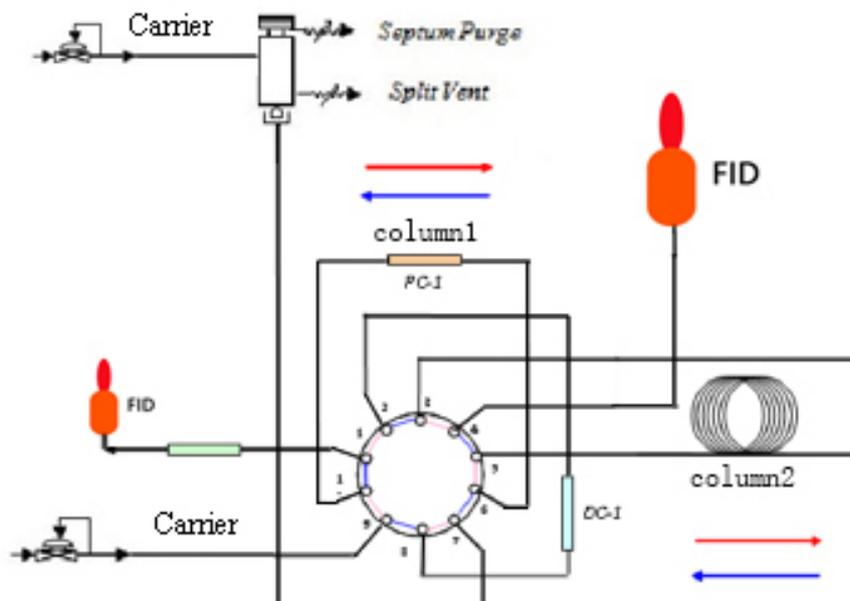


ASTM-D5580-1 Typical chromatogram



ASTM-D5580-2 Typical chromatogram

Typical flow diagram:



## About us :

GS-Tek is a professional column and analyzer manufacturer, located in the beautiful state of Delaware, USA.

GS-Tek produces high-quality gas and liquid chromatography columns with excellent performance and first-class quality.

GS-Tek provides solutions and turnkey analyzers for customers and partners.

GS-Tek has 40+ year practical experience and professional knowledge in the field of chromatography and application development.

GS-Tek won the US President Award in 2014 and was listed in the 2015 US White House Trade Book.

GS-Tek has a worldwide sales network and supply system, for more information, please visit our website: [www.gs-tek.com](http://www.gs-tek.com)

## GS-Tek Misson:

Provide products with excellent quality and performance to customers.

Provide timely and effective technical support, competitive product price, and timely and fast product delivery to customers.

We help customers work on their challenging applications and provide high-quality service and professional technology to win the trust and support of users.

We believe that we not only sell products, but also want to become your trustworthy and reliable Partner.

## Contact:

GS-Tek

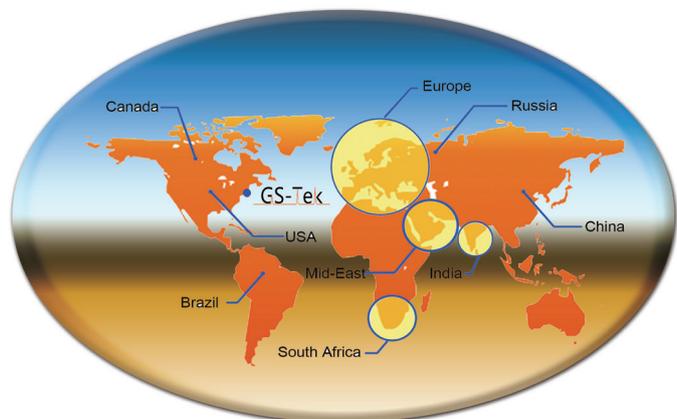
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