

GS-Tek

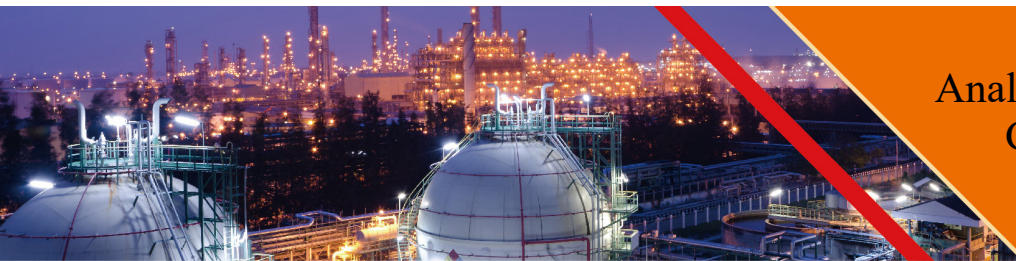
GS-Tek ANALYZER

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

Determination of oxygenates is important in preparation of ethylene, propylene, 1,3-butadiene, C4 hydrocarbons and C5 hydrocarbons. Trace impurities in hydrocarbons such as alcohols, ethers, aldehydes and ketones will reduce the activity of catalysts in the downstream polymerization process. This analyzer can accurately analyze and quantify oxygenates in C2, C3, C4 and C5 hydrocarbon matrix.



Analyzer of Oxygenates in C2, C3, C4 and C5 hydrocarbon matrix (oxyFID)

Features of Analyzer:

1. Equipped with unique oxyFID detector, which has a higher sensitivity than FID detector.
2. Correction factor method for quantification, no need to make standard curve.
3. Sampling with liquid valve and high-pressure liquid sampling device
4. valve switching or center cutting to be selected

Analyzer of Oxygenates in C2, C3, C4 and C5 hydrocarbon matrix (oxyFID)

Instrument configurations:

Analyzer I: Three valves and two columns (capillary column) / FID + oxyFID / high pressure liquid sampling device

Analyzer II: Two valves and two columns (capillary column) / center cutting device / FID + oxyFID / high pressure liquid sampling device

OxyFID detector advantages: Its unique working principle and correction factor method for quantification could achieve accurate quantification without standard samples. The high-pressure liquid sampling method can be used effectively overcome difficulties in standard sample preparation.

For more information about oxyFID, please contact us via email.

Compliance with Test Method Standard:

ASTM D7423

Note: this system can be equipped to SHIMADZU and AGILENT host system.

Sample:

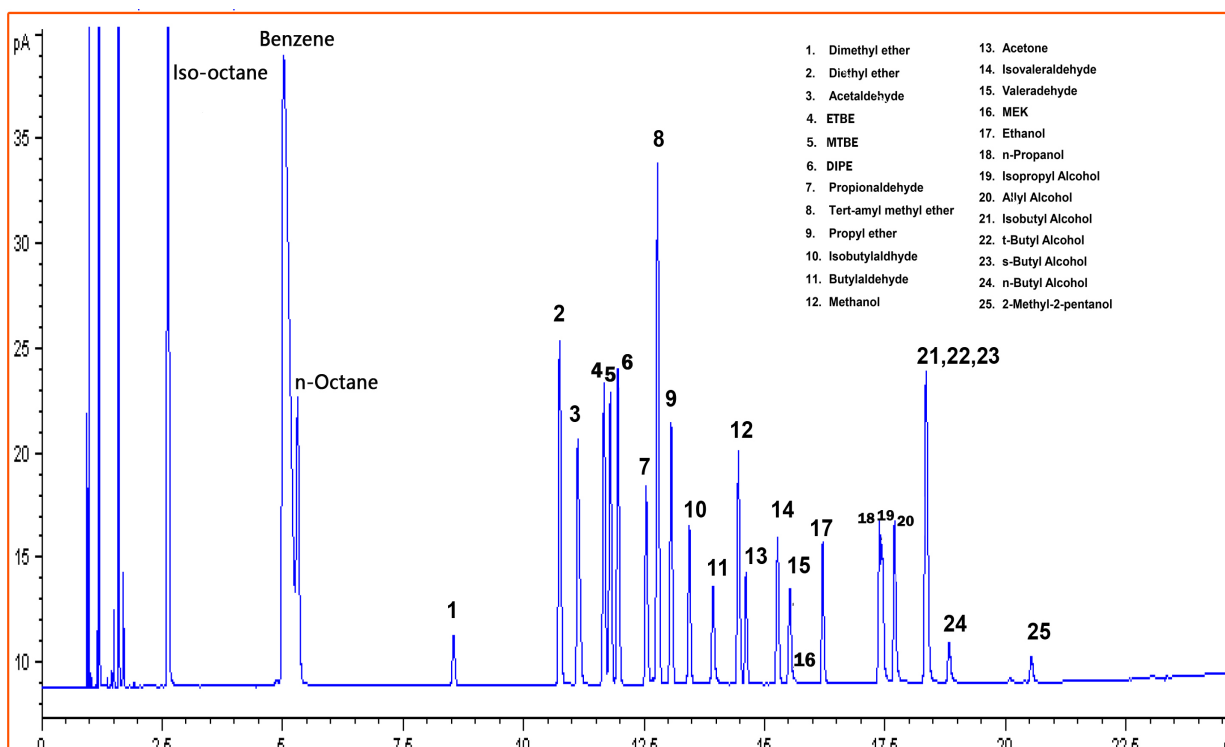
oxygenates in C2/C3/C4/C5 hydrocarbons or similar component samples.

Target compounds:

Dimethyl ether, Diethyl ether, Acetaldehyde, Ethyl tert-butyl ether, MTBE, Diisopropyl ether, Propionaldehyde (Propanal), TAME, Propyl ether, Isobutylaldehyde, Butylaldehyde, Methanol, Acetone, Isovaleraldehyde, Valeraldehyde, 2-Butanone (MEK), Ethanol, N-propyl alcohol, isopropanol, Allyl Alcohol, Isobutanol, Tert-butyl alcohol, Sec-Butanol and N-butanol

Detection sensitivity: oxygenates >1ppm

Typical chromatogram:

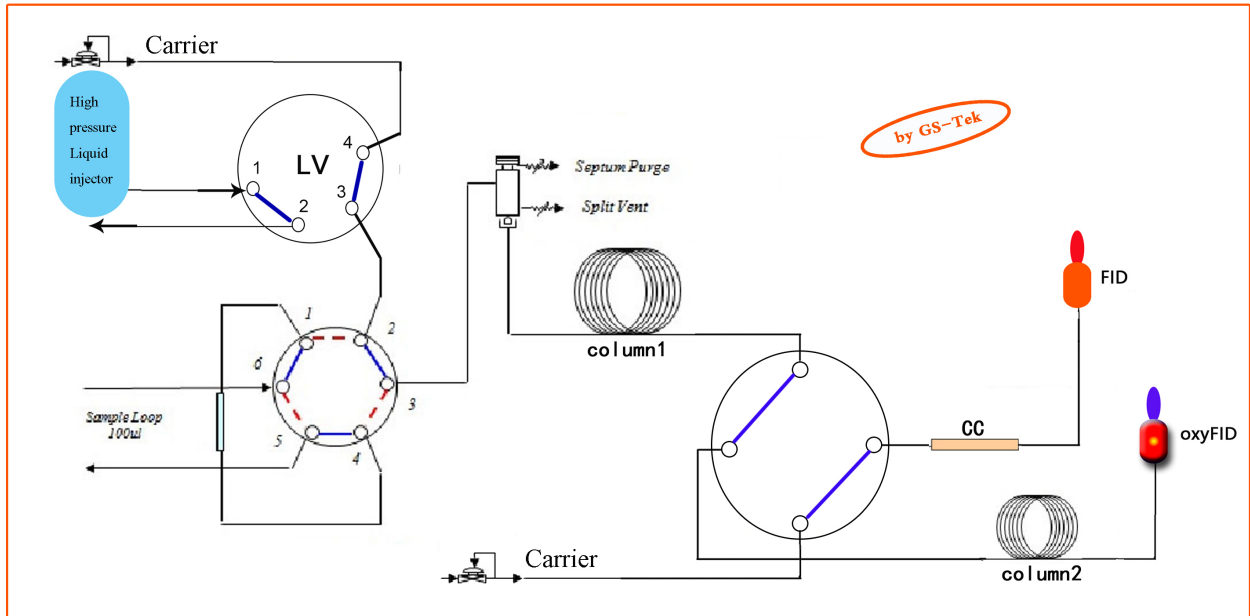


Typical chromatogram

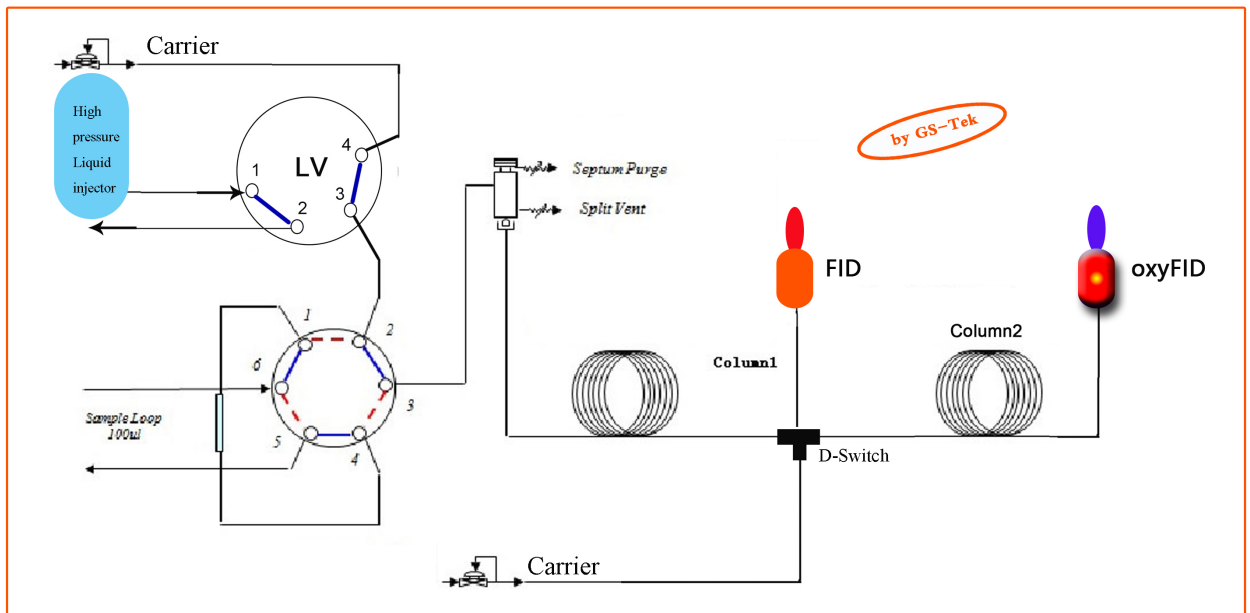


Analyzer of Oxygenates in C2, C3, C4 and C5 hydrocarbon matrix (oxyFID)

Typical flow diagram:



Typical flow diagram 1



Typical flow diagram 2



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

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

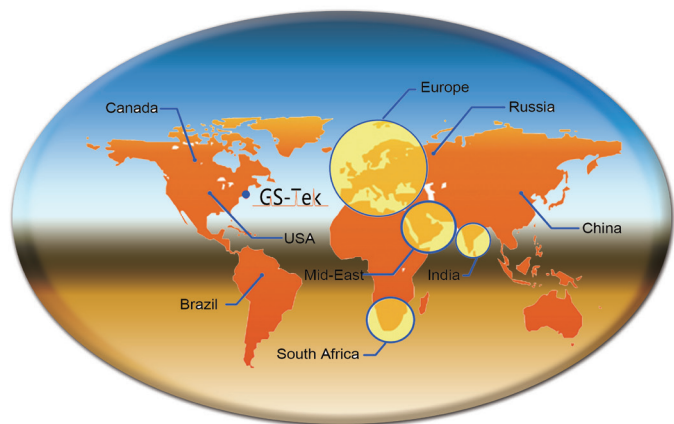
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