

Application Data Sheet

No. 77

System Gas Chromatograph

Ethylene Glycol Composition Analysis System Nexis GC-2030EG GC-2014EG

This instrument is applied for the determination of ethylene glycol by gas chromatography (GC) with FID. A DB-WAX column, separates MEG, DEG, TEG and TTEG for detection by FID. LabSolutions chromatography software handles all aspects of GC control, automation, and data handling.

Analyzer Information

System Configuration:

One SPL / one capillary column with one FID detector

Sample Information:

MEG, DEG, TEG, TTEG

Concentration Range:

No.	Name of Compound	Concentration Range		Detector
		Low Conc.	High Conc.	
1	MEG	10.0%	95.0%	FID
2	DEG	0.3%	80.0%	FID
3	TEG	0.2%	98.0%	FID
4	TTEG	0.2%	2.0%	FID

Detection limits may vary depending on the sample. Please contact us for more consultation.

System Features

- 10 minutes analysis for MEG, DEG, TEG and TTEG analysis can be carried out
- One FID channel
- Good repeatability

Typical Chromatograms

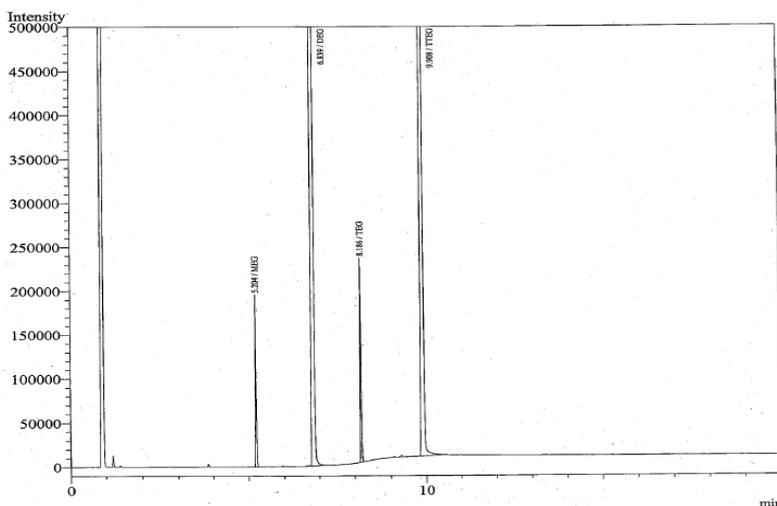


Fig. Chromatogram of FID

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