

Application Data Sheet

No. 172

System Gas Chromatograph

Thiophene in Refined Benzene Analysis Nexis GC-2030TIB GC-2014TIB

This method is for determining thiophene in refined benzene. Pulsed Flame Photometric Detector (PFPD) is used for trace level analysis of thiophene.

Analyzer Information

System Configuration:

One valve and one SPL Injector / one capillary column / one PFPD detector

Sample Information:

Thiophene

Concentration Range:

No.	Name of Compound	Concentration Range	
		Low Conc.	High Conc.
1	Thiophene	0.05 ppmw	20 ppmw

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

Methods met:

ASTM-D4735

System Features

- Single PFPD channel
- Good repeatability
- Inert-materials are employed for preventing absorbing thiophene.

Typical Chromatograms

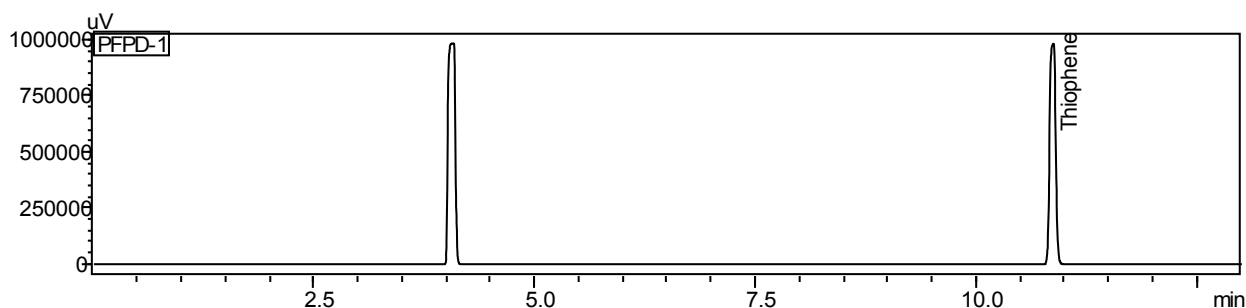


Fig. 1 Chromatogram of PFPD