

Application Data Sheet

No. 73

System Gas Chromatograph

H₂S and SO₂ in C₂, C₃, and C₄ Analysis System Nexis GC-2030SUL2 GC-2014SUL2

This instrument is designed to analyze for H₂S and SO₂ in C₂, C₃, and C₄ hydrocarbon streams. A Sunpak-S and silicagel packed column are used to separate the sulfur components from the hydrocarbons, avoiding the quenching phenomenon which can result in the loss of detector signal thus poor sensitivity. The method can analyze both inorganic and organic sulfur compounds, providing an ideal solution that can be applied to the analysis of both natural gas and refinery gas as well as liquid samples such as organic solvents. This system may not be suitable for gasoline analysis.

Analyzer Information

System Configuration:

Two valve s/ four packed columns with one TCD detector

Sample Information:

H₂S, SO₂

Concentration Range:

No.	Name of Compound	Concentration Range		Detector
		Low Conc.	High Conc.	
1	H ₂ S	0.01%	30%	TCD
2	SO ₂	0.01%	30%	TCD

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

System Features

- Versatile software easy GC system operation
- One TCD channel
- Good repeatability

Typical Chromatograms

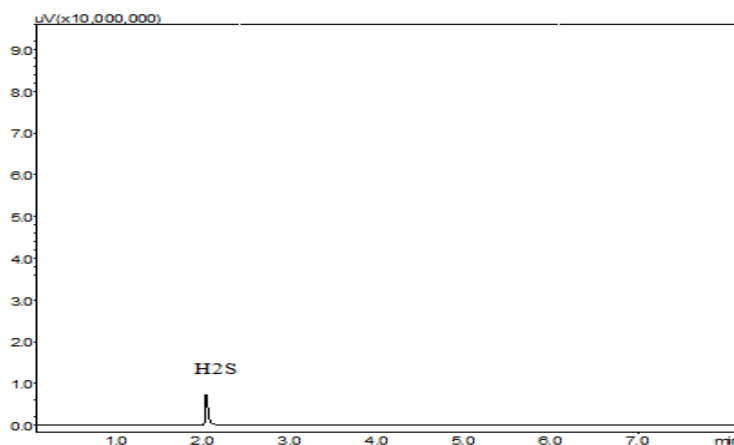


Fig. Chromatogram of TCD

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