

Application Data Sheet

No.84

System Gas Chromatograph

H₂O in Gas Sample Analysis System Nexis GC-2030H₂O GC-2014H₂O

This instrument is designed for the determination of H₂O by gas chromatography (GC) and detection by TCD. A Porapak-Q pre-column is used, Porapak-Q and Sunpak S are used to separate the water from the matrix. LabSolutions chromatography software handles all aspects of GC control, automation, and data handling.

Analyzer Information

System Configuration:

Two valves / two packed columns with one
TCD detector

Sample Information:

H₂O

Concentration Range:

No.	Name of Compound	Concentration Range		Detector
		Low Conc.	High Conc.	
1	H ₂ O	0.05%	50.00%	TCD-1

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

System Features

- 7 minutes analysis for H₂O analysis can be carried out
- One TCD channel
- Good repeatability

Typical Chromatograms

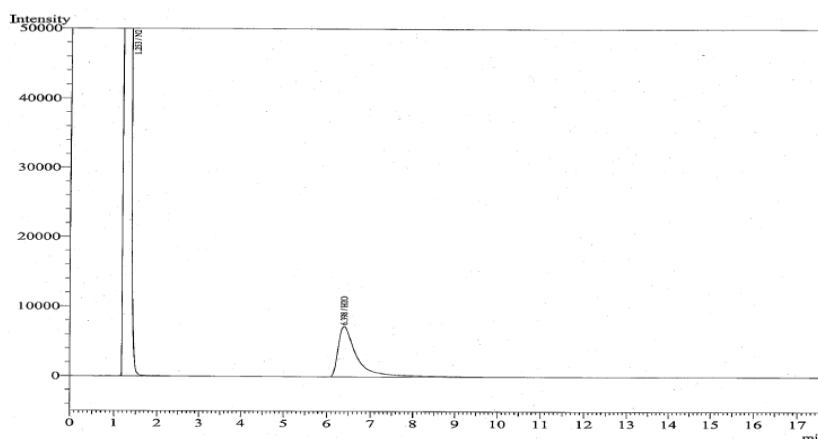


Fig. Chromatogram of TCD

First Edition: November, 2017