

Application Data Sheet

No. 74

System Gas Chromatograph

Ammonia at Sulfur Recovery Unit in % Level Analysis System

Nexis GC-2030NH₃ GC-2014NH₃

This instrument is applied for the analysis of ammonia (NH₃) by gas chromatography (GC) and TCD using a Chromosorb103 packed column. The final analysis time is approximately 14 minutes. LabSolutions chromatography software handles all aspects of GC control, automation, and data handling.

Analyzer Information

System Configuration:

One valve / two packed columns with one TCD detector

Sample Information:

NH₃

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Concentration Range:

No.	Name of Compound	Concentration Range		Detector
		Low Conc.	High Conc.	
1	NH ₃	0.05%	30%	TCD-1

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

System Features

- 15 minutes analysis for NH₃ analysis can be carried out
- One TCD channel
- Good repeatability

Typical Chromatograms

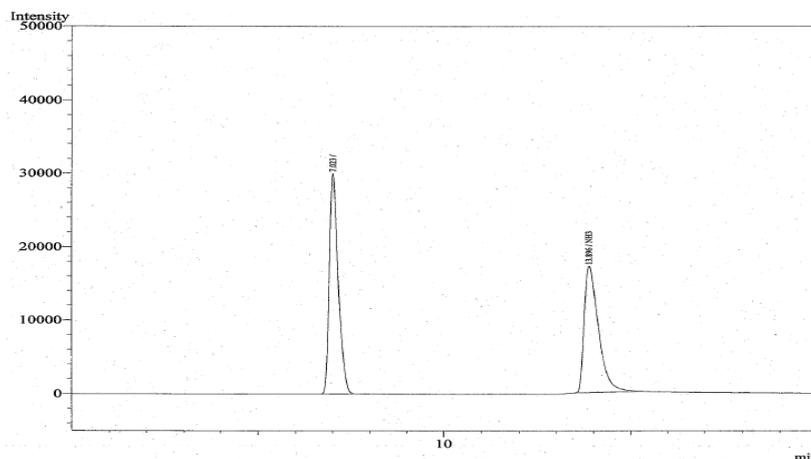


Fig. Chromatogram of TCD

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