

Application Data Sheet

No. 177

System Gas Chromatograph

C6 and Lower Boiling Hydrocarbons in Olefin Free Naphthas
Nexis GC-2030LBH1
GC-2014LBH1

This method is for determining the composition of olefin free Naphtha as described in below compound table. It requires the use of a dedicated gas chromatographic system which is configured with an automatic liquid injector.

Analyzer Information

System Configuration:

One SPL injector / one capillary column /
one FID detector

Sample Information:

Determining benzene, individual hexanes
and lower boiling hydrocarbons in olefin
free naphthas having a final boiling point of
260° C or lower.

Methods met:

UOP-551

Concentration Range:

No.	Name of Compound	Concentration Range	
		Low Conc.	High Conc.
1	Propane	100 ppmwt	10,000 ppmwt
2	Isobutane	100 ppmwt	10,000 ppmwt
3	n-Butane	100 ppmwt	10,000 ppmwt
4	Isopentane	100 ppmwt	50 %wt
5	n-Pentane	100 ppmwt	40 %wt
6	2,2-Dimethylbutane	100 ppmwt	10 %wt
7	Cyclopentane	100 ppmwt	10,000 ppmwt
8	2,3-Dimethylbutane	100 ppmwt	10 %wt
9	2-Methylpentane	100 ppmwt	40 %wt
10	3-Methylpentane	100 ppmwt	30 %wt
11	n-Hexane	100 ppmwt	20 %wt
12	Methylcyclopentane	100 ppmwt	10 %wt
13	Benzene	100 ppmwt	10 %wt
14	Cyclohexane	100 ppmwt	10,000 ppmwt

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

System Features

- Single FID channel
- Good repeatability

Typical Chromatograms

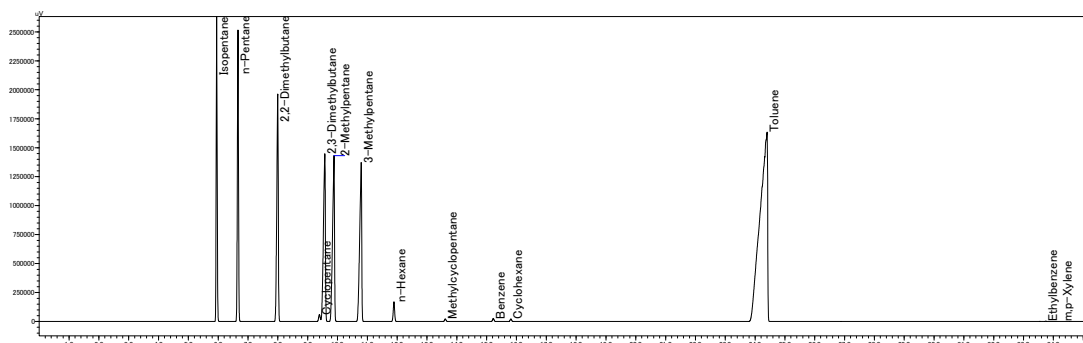


Fig. 1 Chromatogram of FID

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