BRECHBÜHLER
SCIENTIFIC ANALYTICAL SOLUTIONS

LC-GC 7

Best in class MOSH MOAH analyser

Fully Chromeleon controlled
User-friendly
MOSH MOAH expertise from Brechbühler
Brechbühler support

The LC-GC 7 features:
Thermo 1310 GC, Thermo UltiMate 3000 HPLC System,
PAL RTC Autosampler, Chromeleon Software

ONE SOFTWARE...

Brechbühler is the provider of choice for LC-GC systems. With the latest advancement, we now offer a REAL single software system:

... Chromeleon

The preferred software for chromatography

LC-GC & MOSH MOAH

LC-GC

The sample is injected onto the LC column. The fractions are separated by functional groups. Fractions of interest are transferred to the GC and analysed while the interfering matrix goes to waste. This technique reduces sample prep and increases overall sensitivity with less risk of contamination.
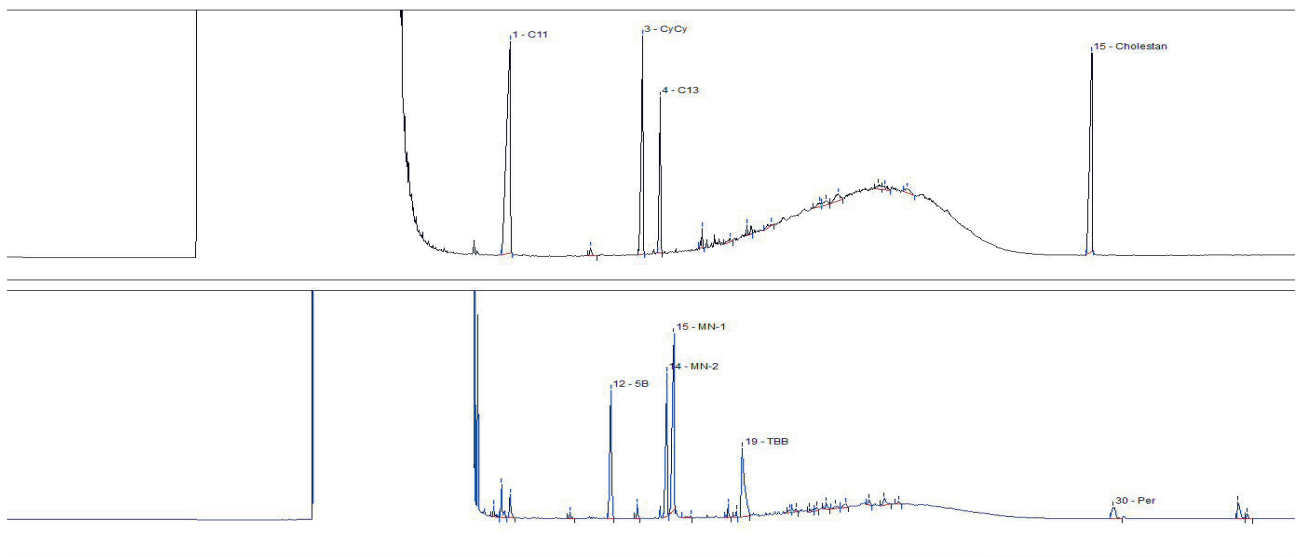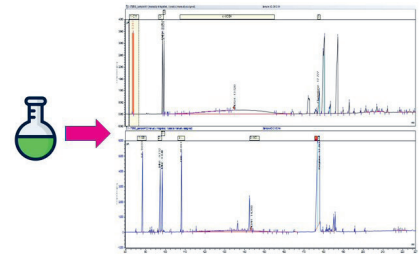
MOSH MOAH

The analysis of mineral oil in food and packaging is one of the main applications for LC-GC. The extracted sample is injected onto the LC, which separates the saturated and aromatic hydrocarbon from the matrix. Each fraction is injected onto the GC column. The dual channel technology allows for the analysis of BOTH fractions in a single run.

Based on Dr. K. Grob's and M. Biedermann's work, the LC-GC 7 is the state of the art system.

Optional automated sample prep

Optional automated sample prep available.
From raw sample to results in one click.
Put the raw sample on the tray.
The PAL prepares the sample and injects it without any additional intervention.

Other applications available

Other methods are available in addition to the mineral oil analysis.

OPTIONS

Dual channel

One injection for two analyses (MOSH and MOAH simultaneously)

On-line alox cleaning

Remove natural alkanes >C24 for better quantification of MOSH fraction

Fraction collection

Collect the MOSH and/or MOAH fractions for off-line analysis such as GCxGC or MS-HMR MS/MS/TOF

Fully automated sample prep

— Extraction
— Epoxidation
— Saponification

FULL RANGE OF SYSTEMS

From a simple system to fully automated sample preparation, we have the suitable solution for your needs.

	LC-GC 7 LS	LC-GC 7 RS	LC-GC 7 XL
PAL LSI 534	✓	–	–
PAL RTC 534	+	+	–
PAL RTC 850	+	✓	–
PAL RTC 1200	+	+	✓
Trace 1300	✓	–	–
Trace 1310	–	✓	✓
Degasser	✓	✓	✓
Binary pump	✓	✓	✓
UV detector	✓	✓	✓
Additional pump	+	+	✓
Dual channel	+	+	✓
Fraction collection Requires RTC	+	+	✓
ISQ, TSQ, Exploris GC	+	+	+

✓ included   + optional

We have the right one for you!

Get in touch with us...

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