



FUNDAMENTALS ON LC-GC COUPLING

The analysis of MOSH/MOAH is very highly complex and has several challenges. MOSH/MOAH is not a single analyte, it is a complex mixture of different compounds. The composition of this mixture is always different. Another challenge is, that natural compounds in the samples are coeluting with the mineral oil compounds and have to be removed before getting a good result. The lecture covers following topics:

- + Background of MOSH/MOAH and contamination sources
- + Analysis of MOSH/MOAH using LC-GC-FID
- + Technology of the LC-GC coupling
- + Sample clean up using automated epoxidation
- + Sample cleanup using automated AIOx cleanup
- + Strategies for the data analysis for LC-GC-FID data
- + Coupling of LC-GC-FID system with other techniques
- + Summary

Speaker Profile

After studying Analytical Chemistry at the University of Bochum, Andreas Bruchmann joined Axel Semrau in 1992. He worked in different departments before becoming Managing Director in 2010. Now he is responsible for the business unit Chromatography, which supplies worldwide automated application solutions for the food and pharmaceutical industry. He was involved in the development of the CHRONECT MOSH/MOAH Workstation from the beginning in 2010.

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**PART OF LECO'S
WEBINAR "FUNDAMENTALS
ON COMPREHENSIVE
MOSH/MOAH ANALYSIS"**



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