



Biodiesel analytics and practical seminar

How to understand biodiesel: From feedstock to certificate of analysis according to EN 14214

Theoretical part: AGQM, ASG, AT Agrar-Technik and XOS

Practical part: Production of biodiesel in the pilot scale plant with subsequent analysis according to EN 14214

Target group: Laboratory, marketing and plant managers and laboratory employees, preferably from the biodiesel, chemical or petrochemical industry, oil mills, commercial testing laboratories and similar facilities, dealing with questions of biodiesel analytics and quality management.

Date: **23. – 25. September 2025**
Start: 23.09.2025 11:00 a.m.
End: 25.09.2025 1:30 p.m.

Venue: ASG Analytik-Service AG
Trentiner Ring 30
86356 Neusaess, Germany



Fee: **2,625.00 Euro (plus VAT, if applicable)** (including meals, dinner, city tour and course material)

In case of cancelling your registration by 25.08.2025 a processing fee of 100.00 € will be charged. Later, the complete participation fee will be charged. It is free of costs to name a substitute participant.

Certificate: Each participant will receive a certificate of participation

Participants: 4-6 participants

Please note that the seminar can only take place with a minimum of 4 participants.

Please note that in case of high demand for an event, the maximum number of participants per company is limited to 2 participants.

Registration: Registration is possible until 25.08.2025 at:
<https://www.agqm-biodiesel.de/agqm-intensive-seminar>

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Please note that there may be changes to the program at short notice.

Day 1: Tuesday

- Ca. 10:30 a.m. Transfer from the [ibis Hotel Augsburg Hauptbahnhof](#) to the ASG
- Ab 10:45 a.m. Arriving at ASG
- 11:00 – 11:15 a.m. **Welcome and introduction of the participants and organizers**
- 11:15 – 12:15 p.m. **Overview of the current use of biodiesel as well as EN 14214 (AGQM)**
- 12:15 – 1:00 p.m. Lunch
- 1:00 – 3:30 p.m. **Synthesis of biodiesel (theory) and on a pilot scale (ASG; AT Agrar-Technik)**
- 3:30 – 3:45 p.m. Coffee break
- 3:45 – 4:30 p.m. **New developments in biodiesel and fuel standardization (AGQM)**
- Ca. 4:30 p.m. Transfer from ASG to hotel
- 7:00 p.m. Dinner

Day 2: Wednesday

- 8:30 – 9:00 a.m. Transfer from hotel to ASG
- 9:00 – 10:00 a.m. **Monochromatic wavelength-dispersive X-ray fluorescence (sulphur and chlorine determination) (XOS)**
- 10:00 – 12:00 p.m. **Analysis of self-produced biodiesel part 1 (ASG)**
Metals, sulphur, and phosphorus content, oxidation stability, CP, CFPP, density, viscosity, flash point, acid number, water content and total contamination
- 12:00 – 12:45 p.m. Lunch
- 12:45 – 2:15 p.m. **Changes to EN 14103 and EN 14105 (ASG)**
- 2:15 – 2:30 p.m. Coffee break



- 2:30 – 4:00 p.m. **Analysis of self-produced biodiesel part 2**
(ASG)
Ester content, glycerides, methanol content, fatty acid profile,
iodine value, PUFA
- Ca. 4:00 p.m. Transfer from ASG to Augsburg
- 5:00 – 7:00 p.m. City tour of Augsburg
- 7:00 p.m. Dinner

Day 3: Thursday

- 8:30 – 9:00 a.m. Transfer from hotel to ASG
- 9:00 – 10:30 a.m. **Quality management and handling of analysis data**
(ASG)
- 10:30 – 10:45 a.m. Coffee break
- 10:45 – 11:45 a.m. **Analysis of self-produced biodiesel part 3**
(ASG)
Evaluation of GC measurements
- 11:45 – 12:30 p.m. **Evaluation of the analyses according to EN 14214**
(ASG)
- 12:30 – 12:45 p.m. **Questions and final discussion**
- 12:45 – 1:30 p.m. Lunch
- Ca. 1:30 p.m. End of the seminar and transfer to Augsburg train station