

## 2023 PAC Reformulyzer<sup>®</sup> M4 Training - Rotterdam Dedicated Training to Improve Performance, Knowledge and Skills

### PAC Training Program Rotterdam

The AC Analytical Controls<sup>®</sup> product line offers a range of high-tech analyzers for petrochemical sample streams based on Gas Chromatography. Our products are user friendly and easy-to-use, although the technique is complex. To improve your skills, obtain the best results, and completely understand your analyzer, PAC offers a complete program of factory, customized and on-site trainings. These courses are designed to assist operators and lab engineers in their day-to-day operation of PAC systems by providing the optimal mix between theory, practice, and hands-on training. Training improves laboratory productivity and the accuracy of instrument results.

### Reformulyzer<sup>®</sup> M4 Course Description

The 3-day Reformulyzer<sup>®</sup> M4 training course is designed for new and experienced users of PAC products; however, a basic knowledge of gas chromatography is required. Class sizes are small keeping the course highly interactive and flexible. The course consists of theoretical and practical sessions, including:

- System details, software and hardware operation, application and methods
- Interpretation of results and discussion
- Troubleshooting and maintenance
- Validation of the instrument



### Detailed Program:

#### Day 1: Reformulyzer<sup>®</sup> M4 basics, Hardware & Software

- Reformulyzer basics
- Simplified PNA Analyzer, The primary separation on the Polar Column
- PNA/PIANO/PIONA method, Step-by-step
- Practice on Software / Software features
- Practice on hardware overview, system start-up
- Create sequence for A / B - time
- Evaluation

#### Day 2: Introduction to Reformulyzer<sup>®</sup> M4 Olefins / Oxygenates modes

- Evaluation results of PNA analyses
- Introduction to Olefin trap
- PONA method, Step-by-step
- Practice replacement of traps and columns, Create sequence PONA
- Oxygenates: introduction to the OPNA / Gasoline method
- Gasoline method, Step-by-step
- Create sequence Gasoline
- Evaluation

**Day 3: Evaluation and troubleshooting**

- Evaluation results of PONA analyses
- Evaluation results of Gasoline analyses
- Practice: Hardware (trouble shooting)
- Practice: Troubleshooting (Data files)
- Summary theory: Valves and Columns
- Course evaluation, questions and answers

**Registration:**

To register, please visit our website

**Costs:**

This 3-days course has an all-in fee of € 2541, -

***Service Contract Customers will receive a discount of 10%***

**Contact:**

For additional information please contact the Rotterdam office at + 31 (10) 2456 248 or send a mail to the AC Response Center ([service.netherlands@pacip.com](mailto:service.netherlands@pacip.com) )

**Terms and Conditions:**

- Registration is required by completing the online registration form or by e-mail. Further details will be submitted by e-mail.
- Payments need to be settled 100% prior to the start date of the training course.
- Registrations will be considered in the order of receipt. They should arrive at our company at least 6 weeks before the training starts.
- Classes are limited to 8 participants. Courses with less than 3 registrations are subject to cancellation
- Relinquishment within 14 days before the course starts or in case of non-participation, 100% of the seminar fees will be charged. Of course, a training registration can be transferred to a colleague.
- Training price includes training, training material plus lunch and beverages at the training facility. Costs for travelling, accommodation, and other meals are not included.