

# PAC Reformulyzer® M4 Training 2018 - Singapore

### PAC INSTRUMENTS ASIA PTE LTD

61 Science Park Road, #03-09/10 The Galen Singapore Science Park II Singapore 117525

## **Course Description:**

The 4-days Reformulyzer® M4 training course is designed for new and existing customers of PAC

products; however, a basic knowledge of gas chromatography is required. Class sizes are small so the course is highly interactive and flexible. The course consists of theoretical and practical sessions, including:

- System details, software and hardware
- Operation Application in a practical way
- Tuning
- Interpretation of results and discussion
- Troubleshooting and maintenance



## **Course Part Number and Cost:**

Part Number: 9-220-019

Cost: \$ 1,250 USD for each attendee

# **Who Should Attend?**

New users or current operators who need a refresher to fill in knowledge gaps.

### **Course Materials:**

PAC will provide the printed presentations materials and an instrument will be available for hands-on lab practices.

Length: 4 days

**Prerequisites:** Basic knowledge of Gas Chromatography and Agilent Chemstation.

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## Course Agenda:

# Day 1: Reformulyzer® M4 Basics, Hardware & Software

- Reformulyzer basics
- Simplified PNA Analyzer, The Polar Column
- PNA method, Step-by-step
- Practice on Software Features
- Practice on hardware overview, system start-up and create sequence for A / B time
- Evaluation

# Day 2: Introduction to Reformulyzer® M4 Parts

- Evaluation results of PNA analyses
- Introduction to Olefin trap
- PONA method, Step-by-step
- PIANO/PIONA method, Step-by-step
- Practice: ECU, Traps and Columns, Create sequence

## Day 3: Oxygenate modes

- Evaluation results of PONA/PIANO/PIONA analyses
- Oxygenates: introduction to the Gasoline method
- Gasoline method, Step-by-step
- Practice: Hardware (trouble shooting), Create sequence Gasoline

## Day 4: Evaluate results and Troubleshooting

- Evaluation results of Gasoline analyses
- Summary theory: Valves and Columns
- Practice: Troubleshooting (Data files)

## **Contact us to Register Today!**

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## **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 10-12 participants. Courses with less than 4 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. The training registration can be transferred to a colleague.
- Training price includes training, training material, and lunch and beverages at the training facility. Costs for travelling, accommodation, and other meals are not included. PAC can, upon request, facilitate in arranging your hotel accommodation.

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