

Automated Quality Control

Of aromatic additives, food additives, perfumes and cosmetics with the ASA-AROMA system



ASA-AROMA System for automation of density, refractive index, color and optical rotation of up to 100 samples.

The AROMA system can be adapted to your laboratory situation:

Almost all measuring instruments available on the market for measuring the four given parameters can be integrated in the AROMA system. We can also adapt the ASA-system for the use of your own sample vials.

The AROMA system from ISMATEC includes:

- all the sample preparation modules
- all PC interfaces
- our own LabTech software
- the integration of all measuring instruments
- installation of the complete system

plus comprehensive user training.

The flow through cells of all the integrated measuring instruments are filled with sample and following measurement rinsed and dried.

The rinsing liquid can be one of 2 different solvents whereby the rinsing time can be varied depending on the viscosity of the sample. This ensures a thorough rinsing, which is mirrored in a high measuring accuracy, which cannot be matched manually.

Sample identification can be made by infra-red sensor or by bar code scanner.

In addition to the local saving (or direct printing) of data of all measurements and identification codes, the system is also prepared for data

Automated determination of up to 100 different samples:

- Density
- Refractive index
- Color
- Optical Rotation

NEW with user friendly LabTech Windows®-Software

Please Note:

A detailed ASA-AROMA system description is available on request.

We can also supply a list of measuring instrument suppliers.

Please ask for further information, our product specialists look forward to helping you. Price available on request.



transfer to a host system.

Thanks to innovative continued development and close contact with users this system has become a standard within the aromatics industry. Many renowned companies use the ASA-AROMA system from ISMATEC for their routine quality control.

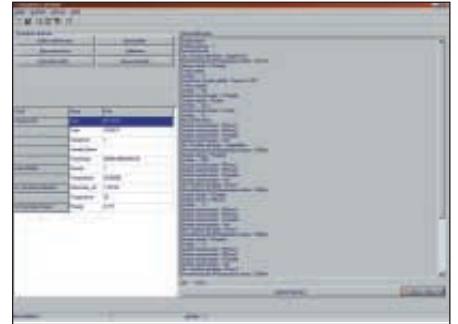
Automated sample preparation

With the LabTech software and our ASA-modules you can automate a wide variety of sample preparation methods.



ASA Liquid handling With the following modules:

- LabTech software for the control of the system (for Win 9x, NT, XP)
- Sampler for 50 or 100 samples (sample volume up to 50 ml)
- Motorarm ASA-UB: 360° and y-axis
- Robot ASA-Rob 360°, y- and x-axis, gripper
- Single and multiple canula
- Magnetic stirrer
- Use of dispensing and dosing pumps



LabTech Software

- Modular, user-friendly Windows-Software (Win9x, NT, XP)
- Control of ISMATEC ASA modules (sampler, motorarm, etc.)
- Data assimilation from measuring instruments of various manufacturers
- Programming sequences
- Various printout formats

UB Motorarm (2-axes transfer motorarm)

The UB motorarm can be used 'stand alone' via its RS232 interface or in combination with other sample preparation components. It can transfer a maximum load of 500 g.

The UB motorarm moves for instance its canula into the sample or waste bottle, rinsing bath or reagent bottle. All motorarm movements are controlled by high resolution optical encoders which results in a highly precise positioning.

ROB Roboter

Functions as UB motorarm with additional x-axis and optional gripper.



Barcode scanner

- automatic sample identification
- recognises all standard barcode types

Applications:

- Automated sample feed to spectrophotometer
- Automated sample preparation for photometric analyses, including sample feed to the photometer
- Automated bottle filling station (up to 50 ml)



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