analytikjena

Technical data

Software Aspect LS

Device Control and Data Analysis for the LS AAS Family

General

- Comfortable software for multi-element analysis, device control and data analysis in flame, furnace and cold vapor/hydride techniques
- Compatible with Windows XP, Vista, Windows 7, Windows 8, 32 and 64 bit
- Simplified, intuitive operation – all method parameters for all elements in a single window
- Comprehensive QC module, GLP compliant
- Integrated ready-to-use cookbook program providing a basis for quick method development for all elements
- Extensive archiving and editing functions
- Clearly arranged user interface and operator guidance
- User-specific data export to external programs (e.g. Excel, LIMS)
- Possibility of 21 CFR Part 11 compliance with activating the related module
- Self Check System (SCS) controlling the safety relevant device parameters and the accessories
- Simultaneous display of user defined windows (result, graph, calibration …)

Automatic Optimization Wizards

- Burner height and gas mixture in flame technique
- Pyrolysis and atomization temperature in graphite furnace technique
- Magnetic field strength in Zeeman graphite furnace technique
- Overrange sample dilution (with accessory) for flame, furnace and cold vapor/hydride techniques

Calibration

- Use of up to 65 standards for standard calibration, standard addition und addition calibration
- Automatic preparation (with accessory) of calibration standards from up to 20 stock solutions
- Possibility of a linear and nonlinear evaluation (rational and quadratic)
- Independent statistics of sample measurement and calibration

Multi-element Routine

- Optimized measurement sequence with automated actions and integrated sample ID
- Sample-specific selection of elements to analyze
- Single- or multi-element methods with up to 65 lines per method

Quality Control

- QC-Module for quality control of various levels (QC sample, QC standard, QC blank, QC stock)
- Automatic monitoring of the precision and the accuracy
- Automatic monitoring of the recalibration function
- Reaction on exceeding the defined error limits
- User specific definition (pre-period, control period) of quality control (recovery , mean and standardized mean card)
- Monitoring of the detection and determination limit

Report

- Printout of the results and the relevant parameters together
- Customer specific configuration of report having the possibility of GLP compliant reports
- Possibility of archiving reports
- Output on printer and in various file formats (HTML, PDF, XLS etc.)

Data Backup

- All relevant information saved in a single result file for complete traceability and documentation, simple data backup:
  - ✓ Raw data
  - ✓ Sample ID
  - ✓ Calculations
  - ✓ Results
  - ✓ QC measurements
  - ✓ Method parameters

Analytik Jena AG | Konrad-Zuse-Str. 1 | 07745 Jena/ Germany | www.analytik-jena.com | info@analytik-jena.com