



ARGUS/Color

Gain Productivity and Reliability in Dyestuff Production

Overview

- UV/VIS spectroscopy of liquid samples
- Quality control
- Quantitative analysis
- Colorimetric analysis
- Automated dilution of samples
- Recipe calculation for dyestuffs
- User-defined reports
- Multiple determination
- Statistical outlier test ability
- Average spectrum determination

Key Benefits

- Low handling effort thanks to a high degree of automation
- Increase of turnover thanks to faster quality control
- Fast and solvent saving dilution thanks to single step dynamic dilution
- High throughput thanks to unattended batch mode
- High reliability thanks to built in system suitability test
- On the fly analysis
- Spectroscopic and colorimetric analysis within minutes (spectrum, peak list and colorimetry)
- Automated detection of optimal dilution of an unknown sample within seconds
- Predefined reports
- Built in concentration calculator
- On the fly quantification of sequences: type, sample1, sample2 . or type1, sample1, type2, sample2
- Predefined Analytical Methods
- Multi component quantification (MLR, Multiple Linear Regression)
- Single component quantification
- Quality control
- Single spectrum
- Correction recipe
- Nuanciation

Method Development

- Parameterization of predefined analytical methods with built in method builder
- Generation of calibrations holding spectrum of type and spectra of standard components and nuanciation components
- Instrument Support
- Various spectrophotometers
- Dilutor for single step dynamic dilution
- Multiple solvent selector
- Auto sampler

Reporting

- Via Excel
- Customizable

Colorimetry

- CIELab color coordinates (L*, a*, b*, X, Y, Z)
- Color differences (E, a*, b*, L*, H, C, CMC, BFD, verbose)

Process Integration

- Order File Processing (LIMS, ERP integration)
- Excel Export of results