

AZURA® Analytical HPLC Plus System

Promotion edition 2018

Science Together

Special HPLC system for analysis of carbonyl emissions in air

This gradient HPLC system perfectly meets even sophisticated analysis demands, robustness and quality "Made in Germany".

The system features a low pressure gradient pump for up to 700 bar, an autosampler, column thermostat and a diode array detector with 8 channels and a wavelength range from 190 - 700 nm.



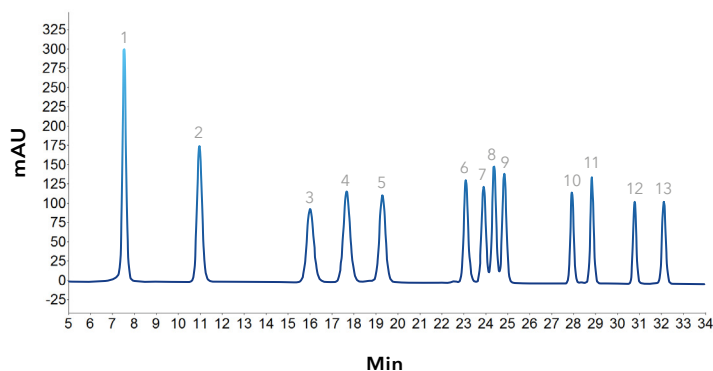
Special HPLC system for analysis of carbonyl emissions in air

In the monitoring of industrial air, the determination of carbonyl (aldehyde and ketone) emissions is crucial to prevent respiratory, pulmonological, autoimmune diseases or cancer.

HPLC solution by KNAUER

According to the analytical method described in DIN ISO 16000-3, the carbonyls must be converted to their corresponding hydrazones with 2,4-dinitrophenylhydrazine (DNPH) in order to be detected via UV detector and analyzed by reversed phase HPLC.

For method optimization DryLab® has been used and the detailed application note (VEV0078) is available on the KNAUER website: "Systematic HPLC method development and robustness evaluation of 13 carbonyl DNPH derivatives using DryLab®".



1 Formaldehyde-DNPH; 2 Acetaldehyde-DNPH; 3 Acetone-DNPH; 4 Acroleine-DNPH; 5 Propionaldehyde-DNPH; 6 Crotonaldehyde-DNPH; 7 2-Butanone-DNPH; 8 Methacroleine-DNPH; 9 n-Butaldehyde-DNPH; 10 Benzaldehyde-DNPH; 11 Valeraldehyde-DNPH; 12 m-Tolualdehyde-DNPH; 13 m-Tolualdehyde-DNPH

Azura made in germany

- Quaternary gradient HPLC system
- Sensitive 8-channel DAD detector
- Pump unit (max. 700 bar)
- Wide selection of supported software packages
- Leakage management system
- Mobile Control for monitoring and control of the integrated modules

Special price available

Find more: www.knauer.net/promotion

System (A46001)

HPLC Plus System with 8-channel DAD detector, LPG pump (700 bar), autosampler and column thermostat, DNPH-column

Optional hardware and software

Chromatography workstation for OpenLab/Chromeleon, Mini PC, WIN 7, 64 bit, 24" Monitor

Chromatography workstation for ClarityChrom®, Mini PC, WIN 10, 64 bit, 24" Monitor

ClarityChrom® single instrument license one time base

OpenLAB® CDS EZChrom edition workstation for one system with SMA and 4x System Suitability

Chromeleon™ 7.2 Driver

Optional service: Installation

Get in touch

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