

# Zuckeranalytik

## AppliChrom OTU Amino

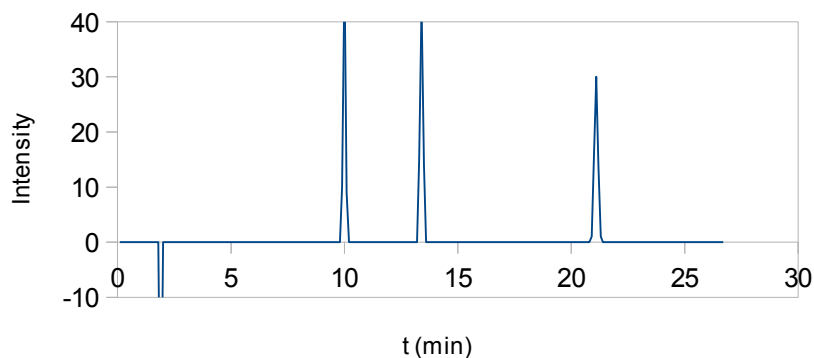
- HPLC column for the separation of sugars
- High purity base material <10ppm
- Restmetal-enhanced long-term stability thanks to new surface treatment technology \*)

### Features - AppliChrom OTU Amino Columns:

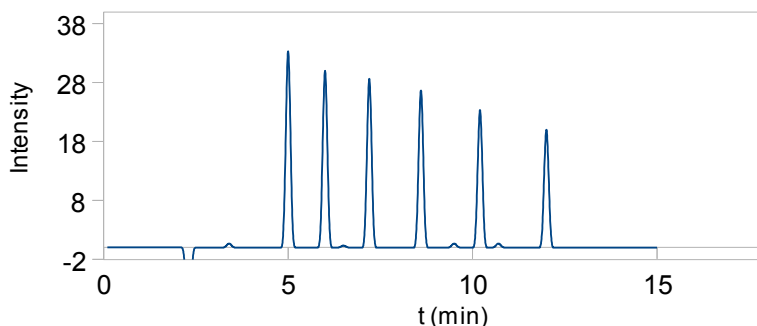
- HPLC of mono- and disaccharides
- HPLC of sugar alcohols
- HPLC oligomeric sugars
- USP-L8
- 5µm
- High pressure stability 600bar
- pH stable 2-8 at 22 ° C
- High purity Silica Bais, 99.999%, <10ppm metal
- Increased long-term stability thanks to new surface treatment technology
- Can be used as standard phases HPLC (eluent: hexane, dichloromethane, ethyl acetate, mixtures with Isopropanol, ...).
- Can be used very well as a HPLC column for the separation of sugars (eluent: ACN / H<sub>2</sub>O)

### Application examples AppliChrom OTU Amino

Sugar alcohols, analyzed with **AppliChrom OTU Amino**-HPLC column

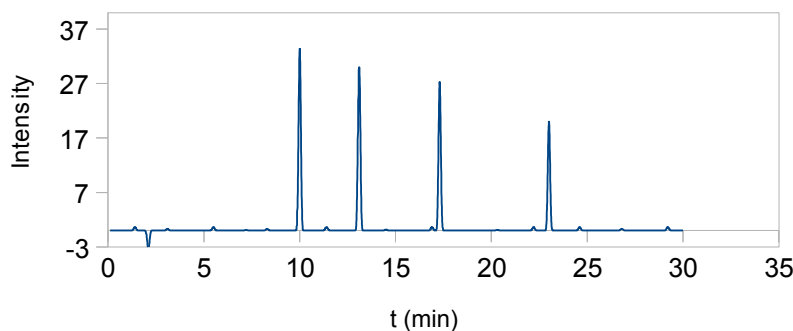


## Maltose-Oligomere, analysiert mit AppliChrom OTU Amino-HPLC Säule



HPLC-Column: **AppliChrom OTU Amino**, 5 $\mu$ , 250x4.6mm, eluent: ACN/H<sub>2</sub>O 55/45, temperature: 27°C, flow: 1ml/min, detection: RI (alternative ELSD), Peaks in elution order: Maltose, Maltotriose, Maltotetraose, Maltopentose, Maltohexose, Maltoheptose

## Mono- und Disaccharide, analysiert mit AppliChrom OTU Amino-HPLC Säule



HPLC-Column: **AppliChrom OTU Amino**, 5 $\mu$ , 250x4.6mm, eluent: ACN/H<sub>2</sub>O 75/25, temperature: 25°C, flow: 1ml/min, detektion: RI (alternative ELSD), Peaks in elution order: **Fructose, Glucose, Sucrose, Maltose**.

## Oranienburg – origin, development and progress in chromatography:

AppliChrom produces and researches in Oranienburg, which also happens to be the site of the discovery of chromatography. An early form of paper chromatography was invented and described by Prof. Dr. F.F. Runge in 1850 in Oranienburg, Germany. He was most famous for his works "To colour chemistry, pattern pictures for friends of the beauty and for the use for draftsmen, painters, decorators and printers." (1850. Original title: *Zur Farbenchemie. Musterbilder für Freunde des Schönen und zum Gebrauch für Zeichner, Maler, Verzierer und Zeugdrucker, 1.Lieferung. Dargestellt durch chemische Wechselwirkung von Dr. F.F. Runge*) and "The creative impulse of the substances illustrated in self-grown pictures" (1855. Original title: *Der Bildungstrieb der Stoffe, veranschaulicht in selbständig gewachsenen Bildern*) Encouraged by the history of chromatography in Oranienburg, AppliChrom develops and produces high quality innovative chromatography products and applications for the present and future needs of our customers. Our continuous growth in demand allows for increased investments into new capacities for further technological developments. What are your needs – please feel free to contact us - [info@applichrom.de](mailto:info@applichrom.de).

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