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Service & Support

Tel.:(86)021 3895 3588



Free installation and adjustment;
One-year warranty, lifetime
maintenance.



Holding training classes from
time to time depending on the
customer's requirements.



Offer technical and
troubleshooting guide service
24 hours a day.



Help customers to develop
analytical methods and offer
technical support & service.



Long-term supply accessories
& consumables with
favorable price.

Evaporative Light Scattering Detector Model UM 5800 Plus

Newly released

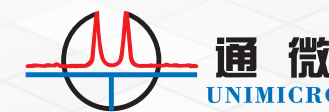
**Dedicated to analysis of compounds without UV absorption
Leader in China**



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About Unimicro

Company Introduction

Unimicro Technologies, Inc. was founded in 1996 in California, USA and maintains its principal office in Pleasanton, California. As a high-tech US company situated in the Silicon Valley, since its inception, Unimicro has focused its efforts on chromatographic separation and analysis and has made great success on Chromatography industry, especially on micro-separation filed. Unimicro has successfully developed the electrokinetic High Performance Liquid Chromatography(eHPLC) and the fully automated quantitative Capillary Electrophoresis (qCE) , which leads the world in micro separation field.

Unimicro has set up 3 solely owned subsidiaries in China and has made great achievements in China . We offer the wide choices of products in liquid phase separation, including CE, HPLC and prep-HPLC instruments and HPLC columns, along with several kinds of detectors such as Evaporative Light Scattering Detector (ELSD) and Laser Induced Fluorescence (LIF).

The mission of Unimicro is to serve our customers. Meeting and exceeding customer expectations is the ultimate goal and the company will not tolerate anything less than the total satisfaction of its customers.

Company Honor

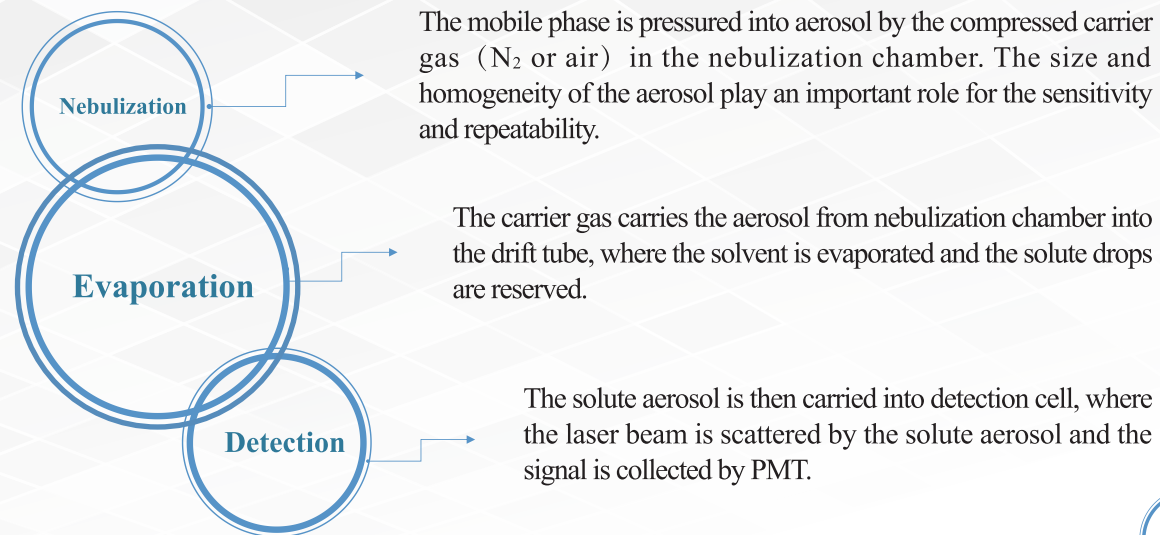


BCEIA Glod Award
Shanghai Science and Technology Advancement
Award: First Place
National Key and New Product Award
International standard performance

Unimicro



Principle



Evaporative Light Scattering Detector Model UM 5800 Plus

Separation, has never been so easy

Advantage

Universal detector, can detect any sample with lower volatility than mobile phase. There is no need for any chromophore.

Compatible with various HPLC solvent and gradients, no solvent peak interference.

Low temperature ELSD, sensitive to thermal-instable and semi-volatile compounds.

Carrier gas helps to improve the sensitivity and keep detection cell clean.

Precise temperature control ensures precise detection.

➤ UM 5800 Plus is a kind of universal detector, which is newly made with great efforts by Unimicro. It can be used to detect any samples regardless of with or without chromophore, as long as their volatility is lower than the mobile phase.

It has been widely used in pharmaceutical field (such as the detection of saponins, terpenoids, aminoglycoside, lipid, alkaloids, sugar, and inorganic salts and other medicine effective components), food field (such as the polysaccharide in edible fungus, sugars and sugar alcohols in drinks and dairy products, esters and fatty acid in grain and oil), polymer and surfactant in chemical products, etc.

➤ UM5800 Plus can output both digital signal and analog signal and can be coupled with any HPLC system with any brand, from analytical HPLC to MPLC to preparative HPLC.



New Features



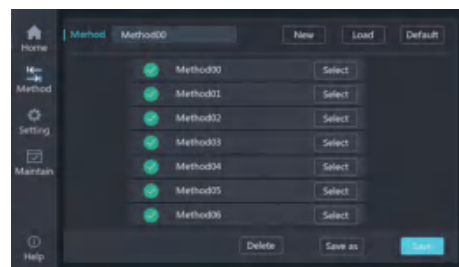
Digital signal

It has both digital and analog signal (± 2.4 V) output and is compatible with HPLC from different manufactures.



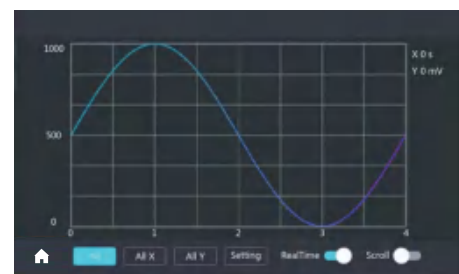
Signal amplification

The signal amplification can be adjusted with 7 levels.



Program storage

100 methods can be stored and the stored methods can be called when needed.



Chromatogram display

The chromatogram can be displayed on the touch screen in real time.



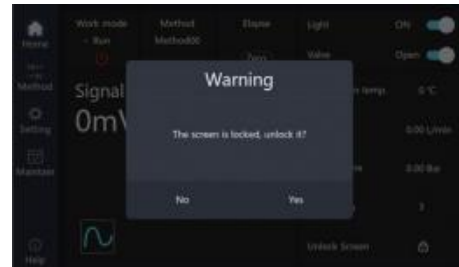
Security improvement

When start up, multiple parameters will be self-tested. The temperature, pressure, flow and other abnormal situations are monitored in real time with sound and light alarm.



Energy saving

Standby and operating mode can be switched freely to reduce the energy consumption.



Screen lock

The screen can be locked by password to avoid mis-operation.

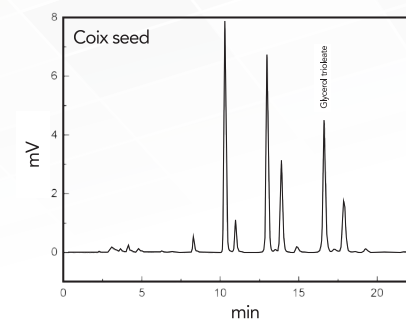


Workstation

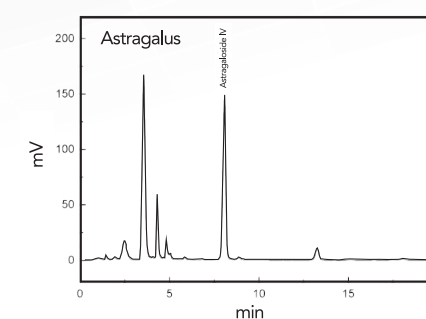
The parameters can be fully controlled by the workstation and is totally comply with FDA 21 CFR Part 11.

Applications

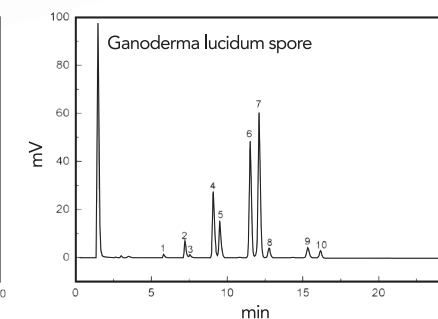
Pharmaceutical field



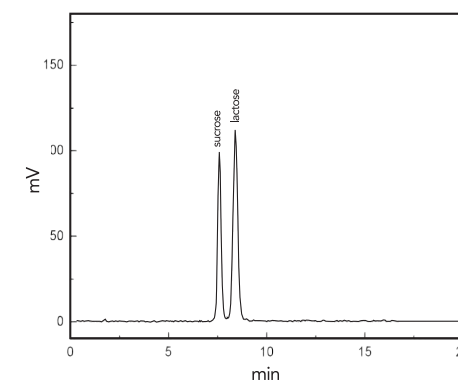
/ Chinese Pharmacopoeia /



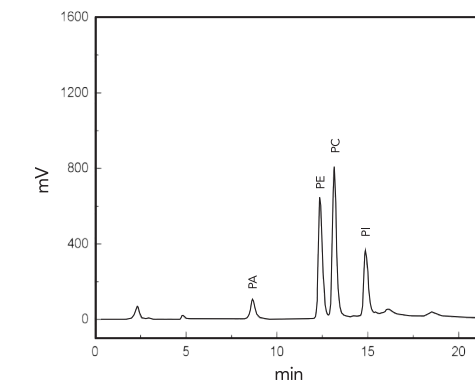
/ Chinese Pharmacopoeia /



Food field

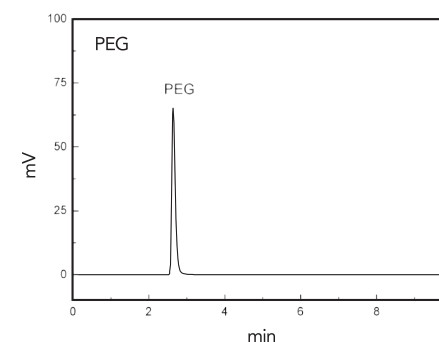


GB 54135-2010
Analysis of lactose and sucrose
in infant food and dairy products



GB / T35867-2018/ISO11707:2009
Analysis of phospholipid
in Lecithin by HPLC-ELSD

Chemical field



GB / T 17830-2017
Determination of PEG content
in polyethoxylated nonionic surfactant

