

# LC-310 产品技术指标

## LC-310 Product Technical Data



### 一、仪器参数

#### 1.1 高压恒流泵

- (1) 流量控制范围: 0.001~9.999mL/min
- (2) 流量精度 RSD:  $\leq 0.06\%$  (1mL/min)
- (3) 压力脉动:  $\leq 0.1\text{MPa}$  (流量 1 mL/min, 压力 5~10 MPa)
- (4) 泵的密封性压力为 42 MPa, 时间 10min, 压力降:  $\leq 0.5\text{MPa}$
- (5) 最高工作压力: 42MPa (0.001~9.999 mL/min)

#### 一. Instrument parameters

##### 1.1 High pressure constant current pump

- (1) Flow control range: 0.001 ~ 9.999mL / min
- (2) Flow accuracy RSD:  $\leq 0.06\%$  (1mL / min)

(3) Pressure pulsation:  $\leq 0.1$ MPa (flow rate 1 mL / min, pressure 5 ~ 10 MPa)

(4) The sealing pressure of the pump is 42 MPa, the time is 10 minutes, and the pressure drop is  $\leq 0.5$ MPa

(5) Maximum working pressure: 42MPa (0.001 ~ 9.999 mL / min)

## 1.2 紫外检测器

(1)基线噪音 (动态):  $\leq 2 \times 10^{-5}$  AU

(2)基线飘移 (动态):  $\leq 2 \times 10^{-4}$  AU

(3)最小检测浓度:  $\leq 1 \times 10^{-8}$  AU

(4)波长示值误差:  $\pm 1$ nm

(5)波长范围: 190~680nm

## 1.2 UV detector

(1) Baseline noise (dynamic):  $\leq 2 \times 10^{-5}$  AU

(2) Baseline drift (dynamic):  $\leq 2 \times 10^{-4}$  AU

(3) Minimum detection concentration:  $\leq 1 \times 10^{-8}$  AU

(4) Wavelength indication error:  $\pm 1$  nm

(5) Wavelength range: 190 ~ 680nm

## 二、工作环境要求

2.1 环境温度要求: 15°C~30°C

2.2 环境相对湿度: 20%~85%

2.3 工作电源: 交流 220V $\pm$ 22V, 频率 50 $\pm$ 0.5Hz

2.4 周围不能有强电磁干扰。

## 二. The working environment requirements

2.1 Ambient temperature requirements: 15 °C ~ 30 °C

2.2 Ambient relative humidity: 20% to 85%

2.3 Working power: AC 220V  $\pm$  22V, frequency 50  $\pm$  0.5Hz

2.4 There must be no strong electromagnetic interference around.