

Ultra High Performance Liquid Chromatography (UHPLC)



Make: Shimadzu

Model: Nexera2 UHPLC

Key Specifications:

Solvent Delivery System(LC-30AD)		
Type of Pump		Ultra High-Pressure Quaternary Gradient System
Flow rate		0.001 to 3 mL/min in 0.001 mL/min increments
Flow rate accuracy		±1 %
Flow rate Precision		± 0.06% RSD
Maximum Pressure Setting range		18000 psi
Degasser		Membrane Degassing
Injection System		
Type		Auto Sampler with cooler
Sampler injection Volume setting range		0.1 to 50 µL
Temperature Setting range		4°C to 40°C
Carry over		<0.0015%
Injection precision		0.25% of RSD
Column Oven		
Temperature range		10º degree below room temp to 85°C
Temperature control precision		± 0.1 °C
Temperature accuracy		± 0.5 °C
Detector		
PDA	Spectrofluorometric Detector	Refractive Index Detector
Wavelength: 190-800 nm Flow Cell Volume: 2.5 µL Flow Cell Path Length 5 mm Wavelength Accuracy : ±1nm Linearity : 2.0 AU Base line noise 06x10 ⁻⁶ Au at 230 nm Drift ;≤5.0x10 ⁻⁴ /AU/Hr/°C	Wavelength : 200 - 650nm Wavelength accuracy: +/- 2nm. Light source: Xenon lamp Scanning of Samples Sensitivity: Water Raman peak 1200 S/N Spectral Bandwidth: 20nm	Refractive Index range: 1.00-1.75RIU Detector Zero: Automatic zeroing Noise Level: 2.5x10 ⁻⁹ RIU max Drift:1x10 ⁻⁷ RIU/h max Range: A mode: 0.01x10 ⁻⁶ to 500X10 ⁻⁶ RIU P and L mode: 1x10 ⁻⁶ to 5,000x10 ⁻⁶ RIU Response: 0.05 to 10 sec, 10 steps Ambient Temp: 4-35 Deg. C