

NATIONAL INSTITUTE OF TECHNOLOGY,
TIRUCHIRAPPALLI - 620 015

Tender Notification No.7/2007

Department of Chemistry

Item No. 06. Binary Gradient HPLC System

S.No.	Specifications
1	HPLC Pump (2 No.) Flow-rate .001 mL/min to 10.000mL/min Flow accuracy of +/- 2.0 % of settings,Flow rate Precision: 0.1 % RSD
2	Gradient Mixer
3	Rheodyene 7725I & Kit
4	Syringes (25µL)
5	Injector Adaptor
6	System Controller No of connectable units- 5 Operating Temperature range- 4° to 35°C
7	Software for HPLC Imported Software, Control of all HPLC module like Pump, Detector, etc.
8	UV- VIS Spectrometric Detector Dual Wavelength Operation, Wavelength range- 190 to 700 nm Temperature controlled flow cell, Noise- 0.25×10^{-5} AU
9	PDA Detector 170-800 nm, Bandwidth selectable between 1.2 nm for high resolution mode & 8 nm for high sensitivity mode
10	PC & Printer
11	C18, 5µm 4.6 × 250 mm Column
12	C18, 5µm 4.6 × 150 mm Column
13	C8, 5µm 4.6 × 250 mm Column
14	C8, 5µm 4.6 × 150 mm Column
15	Chiracel OD 4.6 × 250 mm Column, Daicel
16	ChiralDEX B-PH 4.6 × 250 mm Column, Alltech
17	(R, R)- Whelk - 01 4.6 × 250 mm Column, Merck