

SPECTROPHOTOMETER UV/VIS

(Ref. No: NIN/ST/12/Spectrophotometer/2017-18)

Proposed Applications: To perform protein, carbohydrates, vitamins and purity etc. in liquid samples.

Features:

1. GLP/GMP compliance and validation software.
2. The system should be having built in diagnostics.

Specifications:

<u>Optical System</u>	: Single Beam
Wave length range	: 200nm- 800nm or better
Wave length accuracy	: $<\pm 0.5\text{nm}$
Wave length repeatability	: $<\pm 0.05\text{nm}$
Spectral Bandwidth	: 1nm
Photometric range	: -0.3 to 2.5A
Base line flatness	: $<0.001\text{A}$
Photometric accuracy	: $\pm 0.005\text{A}@ 1\text{Ab}$
Drift	: $\leq 0.002\text{A/hr}$
Stray Light	: $\leq 0.05\% @ 220\text{nm} \ \& \ 340\text{nm}$
Sample Compartment	: Standard 10mm path length Cell holder.
Instrument capabilities	: Absorbance, % Transmittance and concentration, peak detection; spectral analysis; Multiple wave length up to 10 and quantitative analysis measurements.
Operating voltage	: 220V,50Hz
Warranty	: 3years comprehensive warranty along with 2years extended warranty.

Accessories:

Quartz cuvettes capacity of 3ml & 1.5ml –2 sets each.