

### Revised Technical Specifications for Spectrofluorophotometer

1. Wave length Range: 200nm to 900nm
  2. High Resolution: 1nm or better
  3. Optical system: Single bead Blazed holographic Grating
  4. The equipment shall have applicability in Emission, Excitation, scan quantitation, photometric time course operation and have sample compartment unit.
  5. Light source of 150w Xenon lamp.
  6. Signal to Noise ratio: 1000:1
  7. Wave length scan Speed: 60000nm/min or better
  8. Light source life time should be minimum 2000 hrs
  9. Dynamic Range:  $10^{-13}$  to  $10^{-7}$  mol/ltr or better
  10. Minimum Sensitivity  $1 \times 10^{-13}$  mol/ltr (concentration) or better
  11. Software: Standard Fluorescence measurements to 3d measurements of excitation versus fluorescence and an instrument correction function, sensitivity should be selectable as low, high and auto.
  12. Software shall have photometric, Spectrum, and quatitation data acquisition modes.
  13. Accessory kit to be supplied with instruction manual, CD ROM and USB cable.
  14. System to be supplied with non florescent cell- 2 nos
  15. HP/Dell/Samsung/Acer/Asus or Equivalent Desktop pc with Intel core, i5, 13<sup>th</sup> Generation, 8 GB RAM, 512 GB SSD, 16inch Monitor
  16. Monochrome duplex laser printer: HP LaserJet M208dw printer or equivalent
  17. Minimum of 12 months warranty from the date of satisfactory installation.
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