

Technical Specification:

8	1	UV-Vis Spectrophotometer	<ol style="list-style-type: none"> 1. Computer controlled UV-Vis Spectrophotometer system for advanced research work. 2. A true Double beam, dual chopper ratio recording spectrometer with Czerny Turner monochromator for higher precision. 3. Grating should be 1300 lines/mm or better. 4. The Source should be D2 and Tungsten lamp. 5. The detector should be a Photomultiplier tube with a range of 185-900 nm and InGaAS Pin Photodiode for NIR Region facility. 6. UV-Vis Spectrometers with less sensitive silicon photodiode or CCD detectors are not acceptable. 7. The measurable range should be 185-900 nm with add-ons available up to 1400 nm. 8. The spectral Bandwidth should be a variable from 0.1 to 5.0 nm in 0.1 nm steps and should be fully software controlled for advanced research use. 9. The Spectral Resolution should be less than or equal to 0.1nm or better. 10. The Stray Light should be less than or equal to 0.002% or better. 11. The Photometric Linear 	
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