Name of Machine			
Make	PerkinElmer	Model	Lambda25(Fig. 1)
	Figure:1 UV/Vis Spectrometer		
		Specificatio	n
	ge:- 190-1100nm		
2.Accuracy:- ±0.1 nm 3.Absorbance Range:3 to 4 A			
4.Bandwidth model 25:- 1 nm, fixed			
5.Photometric Accuracy:- ±0.001 nm			
		Working prin	nciple: ectrophotometry (UV Vis or UV/Vis) refers
means it u range dire the <u>electron</u> spectroscop transitions	ses light in the visible and ectly affects the perceiven magnetic spectrum, atoms by is complementary to f	adjacent ranges. ' ed <u>color of the</u> and <u>molecules</u> und luorescence spec	the <u>ultraviolet-visible</u> spectral region. This The absorption or reflectance in the visible <u>chemicals</u> involved. In this region of dergo <u>electronic transitions</u> . Absorption <u>troscopy</u> , in that <u>fluorescence</u> deals with ile absorption measures transitions from the
0		Applicatio	n
highly cor	spectroscopy is tative determination of njugated organic compou commonly carried out in	different anal nds, and biolo	used in analytical chemistry for lytes, such as transition metal ions, ogical macromolecules. Spectroscopic
		User Instruct	ion
 Type Provisitient Please Send 	de details of any prior trea nent with solvents or prese e contact us to ensure your	estuarine/lake/riv tment of the sam rvatives. • samples are in a	omitted for analysis. ver/soil/etc.,) should be provided. ple, such as cleaning, drying, and suitable format for processing. licate if any samples are likely to be
		Contact Pers	on
In-Charg	e Dr.Anupam Sharm <i>Email <u>anupam110</u></i> .	,	74); anupam.sharma@bsip.res.in
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