

**Sophisticated Analytical Instrumentation Facility (SAIF)**  
**Panjab University, Chandigarh- 160 014**  
**Service Charges**  
**(Applicable w.e.f. 1.4.2008)**

<b>Sr.No.</b>	<b>Facility</b>	<b>Recommended charges (Rs.)</b>
1.	UV-VIS/UV-VIS-NIR Spectrometer	300/- per spectrum per sample
2.	FT-IR Spectrometer	500/- per spectrum per sample
3.	Atomic Absorption Spectrometer	600/- for analysis per sample including standardization for first element 200/- per elements, per sample for subsequent elements
4.	FT-NMR Spectrometer	Rs.1000/- per half hr. with a minimum of Rs.1000/- sample for 1D spectrum (1H, 13C & other nuclei) 2000/-per half hr. or part thereof with a minimum Rs.2000/- per spectrum for 2D spectroscopy and inverse experiments Rs.100/-** extra for deuterated solvents other than CDCl <sub>3</sub> and D <sub>2</sub> O
5.	X-ray Diffractometer (Powder)	1000/- per hour of instrument time with a minimum of 1000/- per sample Extra for data analysis Phase identification Rs.200/-
6.	Scanning Electron Microscope	1500/- per hour of instrument time with a minimum of 1500/- per sample **Critical Point Drying -- Rs.240/- **Gold Coating -- Rs.70/- **Palladium Coating -- Rs.90/- **Sample preparation for SEM—Rs30/-
7.	Transmission Electron Microscope	2000/- per hour of instrument time with a minimum of 2000/- per sample Gold making for negative stain: Rs.150/- +actual charges for consumables

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8.	Mass Spectrometer (LC-MS/MS)	1000/- per hour of instrument time for MS with a minimum of 1000/- per sample, Rs.1000/- extra for MS/MS studies 1500/- per hour of instrument time for FAB, ESI, APCI, MALDI, LC-MS etc. with a minimum of 1500/- per sample In addition to above actual consumable charges @ Rs.100/- will be charged for sample preparation.
9.	HPLC	1000/- per hour per sample
10.	Elemental Analyzer	400/- per element per sample
11.	Liquid Nitrogen Plant	Rs.30/- per litre
12.	Photography	Printing Charges -Blowup size (10"x12") Rs.30/- -Full size print (5"x7") Rs.20/- -Cabinet size print (4"x6") Rs.15/- -PC size (3.5"x5") Rs.12/- -2B size (2.5"x3.5") Rs.7/- -Photomicrography Rs.10/- per exposure
13.	Amino Acid Analyzer	Rs.7500/-
14.	Ultracentrifuge	Rs.600/- per hour or part thereof. (Fixed angle rotor)

**Note:** Visiting Charges : Rs.500/- per visit per Lab (Those who wants to visit the labs of the CIL Department (Internal and External Both))

Charges given are normal charges for sample analyses.

- The charges recommended above are for all industries including small, medium and Large Scale Industries.
- National Laboratories will be allowed 40% discount.

- Educational Institutions/Universities including Panjab University will be allowed 80% discount on the above Charges.
- \*\* Fixed charges (no discount is offered on these services).

**Note:**

1. The analytical data/spectra are provided only for research/development purposes. These cannot be used as certificates in legal disputes.
2. Service charges are payable in **advance** by crossed bank draft in favour of **“The Director, Sophistical Analytical Instrumentation Facility, Panjab University, Chandigarh”**. Payable at Chandigarh.
3. Samples and payment should be sent preferably in the same cover. Separate samples should be sent for different analysis. **Samples will not be analyzed until payment is received.**
4. In all correspondence related to analysis our reference number must be mentioned.
5. Radioactive material should be clearly mentioned and handed over personally.
6. Unstable and explosive compounds are not accepted for analysis.
7. Discounts are rendered to only those users who regularly give us feed-back about the end-use of the results, e.g. thesis, patent, proves, publication etc.
8. Research fellows and students are advised to send their application and samples through their Supervisor or Head of Department to avail the discount.

9. Interpretation of spectra is not undertaken normally. In special cases this service can be provided on payment of extra charges.
10. It is also desirable that **analysis work done using SAIF facilities should be acknowledged** in the publications/theses and a note in this regard may kindly be sent to this Centre voluntarily to update the information, for onward transmission to DST.

All the communication should be addressed to:

**Director**  
**Sophisticated Analytical Instrumentation Facility**  
**Panjab University**  
**Chandigarh-160014**  
Phone:0172-2534046, 2534047  
Fax/Phone:0172-2541409  
E-mail:rsic@pu.ac.in  
Website:<http://rsic.puchd.ac.in>