

Sophisticated Analytical Instrument Facility (SAIF)  
ANALYSIS REQUEST FORM AND SAFETY DATA SHEET-

**NMR 600MHz**

1. **Name of the User:-**

2. **Guide's Name:-**

3. **Email id:-**

4. **Sample Codes/Names:-**

5. **Number of Samples:**

6. **Details of Analysis required** (Please enter appropriately as per your requirement)

a) **Solution State 1D NMR**

- Nuclei of interest (eg.  $^1\text{H}$ ,  $^{13}\text{C}$ ,  $^{31}\text{P}$ , etc.) -----
- Required Spectral range (ppm) -----
- \*Solvent in which sample is soluble -----
- You may attach a separate sheet with the names of samples and solvent to be used.

b) **Solution State 2D NMR**

- Type of Experiment (eg. COSY, TOCSY, NOESY, HSQC, etc.) -----
- \*Solvent in which sample is soluble -----
- You may attach a separate sheet with the names of samples and solvent to be used.

List of Deuterated Solvents that are available in Lab

- $\text{CDCl}_3/\text{D}_2\text{O}/\text{DMSO}/\text{Benzene}/\text{Methanol}/\text{Acetone}/\text{DMF}/\text{Acetonitrile}/\text{Trifluoroacetic acid}/\text{Pyridine}$ .

c) **\*\*Solid State 1D NMR ( $^1\text{H}$  NMR not possible in Solid state mode**

- Nuclei of interest (eg.  $^{13}\text{C}$ ,  $^{31}\text{P}$ ,  $^{29}\text{Si}$ , etc.) -----
- Required Spectral range (ppm) -----

**\*\* At least 300-400 mg of very finely powdered sample is required.**