

INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY

Sophisticated Analytical Instrument Facility (SAIF)

ANALYSIS REQUEST FORM AND SAFETY DATA SHEET-ESR

User Type: IITB/ External (University/National Lab/R & D/Industry)

Name of the user:
Email
Contact No:
Name of the Institute/Organization:
Address of Institute / Organization:

Name of Guide/PI:
Email
Contact No

1. EPR model: JEOL / VARIAN

In **Varian** model, soft copy of report not available.

2. Sample Code/Name:

3. Number of samples:

Kindly Tick whichever is applicable for the following:

4. Type of Analysis required:

a) X-band / Q Band*

b) Room Temp : Powder/Solution/thin films/others

c) Liquid Nitrogen Temp : powder/Solution/thin films/others

Specify name of the solvent for solution state analysis.

* **X band** analysis carried out on a routine manner. For **Q band** and variable temp. analysis, there may be some waiting time as they are carried out only upon sample pooling. Contact the lab personnel through e mail or phone before registering.

5. Sample Category: Biological (Microorganisms/ Fungal/ Bacterial/Protein/blood/ Plasma/Serum /Organs/ urine/ Stool/ Cancerous Cells/Non Cancerous Cells/Plant Extracts/ Marine extracts)/ Composite Material/ Thin Film / Metal/Polymer/Environmental/Ceramic/ Others (Specify)

6. Description of sample:

7. **Sample quantity:(mg/ml)**
8. **Solvents required:** Acetone/ ACN/ Methanol/ 2-Propanol/ Chloroform/ DCM/ Toluene/ Benzene/ Ethylacetate/ others(specify)
9. **Sample nature:**Organic/ Inorganic/ Magnetic/ Non Magnetic /Any other characteristic nature (Specify)
10. **Moisture:** Present/Absent/NA
11. **Volatile organic compound:** Present/ Absent/NA
12. **Specify the Storage and handling conditions:** Room temp/ Refrigeration
13. **Decomposition temperature:**
14. **Sample Properties:** Carcinogenic(carcinogenicity level-----) /Non CarcinogenicRadioactive/ Explosive/ Toxic/Corrosive/Flammable/ Non flammable/ Pyrophoric, Other(specify)
15. **Stability of sample:** Stable under RTP/hygroscopic/ sublimes/ Reactive in air/moisture/ light/heat
16. **Whether incompatible with any material-** Yes/No (Specify the materials)
17. **Toxicity:** Hazardous/ Non Hazardous
18. **Health hazards:**Yes/No(irritant to skin/irritant to eyes/harmful to skin/ toxic if inhaled/toxic if ingested)
19. **First aid measures:** Eye/Skin/Inhalation/ Ingestion/Others(specify)
20. Please fill in appropriate numbers in the NFPA diamond if MSDS is available (***Kindly refer the image at the end of the file for reference**):



21. Disposal Method of sample
22. **All Samples will be discarded within 7 days of analysis. If you wish to collect the samples then you are required to make arrangement for the same. SAIF office will not dispatch the same to users under any circumstances.**

23. Additional information if any

24. Label on sample or sample container should contain the hazard class

25. MSDS (should be uploaded/attached if available)

Declaration

I confirm that the samples submitted for analysis are for research purpose only and the above furnished details are correct and true to the best of my knowledge. I understand that I will be held responsible for any damages arising from incorrect information provided by me against points 14-18.

I agree to acknowledge DST and SAIF/CRNTS, IIT Bombay for providing (Instrument name) analytical facility for my research work, in my publications. I also agree to send the publication reference (Journal name/volume number/names of the authors/date of issue of the publication etc) to office.saif@iitb.ac.in

I declare that the “Content of this report is meant for our information only and we will not use the content of this report for advertisement, evidence, litigation or quote as certificate to third party”

I accept that all the issued reports/results (Soft/hard) will not carry any Signature or Seal and Stamp of SAIF/CRNTS IIT Bombay.

Signature of the User

Signature of the In Charge/HOD/PI with College / P.I. / Guide
seal / stamp

Date:

Place:

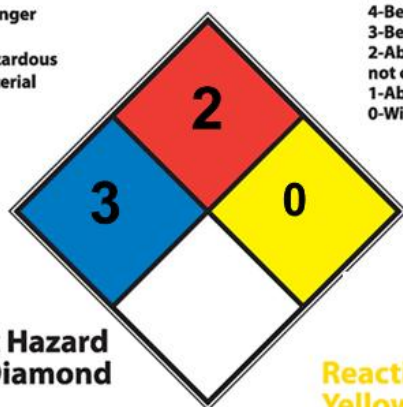
*refer the image below for reference for filling up Point 20:

Health Hazard Blue Diamond

4-Deadly
3-Extreme Danger
2-Hazardous
1-Slightly Hazardous
0-Normal Material

Fire Hazard Red Diamond

Flash Points
4-Below 73°F
3-Below 100°F
2-Above 100°F
not exceeding 200°F
1-Above 200°F
0-Will not burn



Specific Hazard White Diamond

ACID - Acid
ALK - Alkali
COR - Corrosive
OXY - Oxidizer
☢ - Radioactive
☒ - Use No Water

Reactivity Yellow Diamond

4-May Detonate
3-Shock & Heat
may detonate
2-Violent Chemical
change
1-Unstable if heated
0-Stable