

INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY

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

Laser Raman Imaging System-2022

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. Sample Code/Name:

2. Number of Samples:

Kindly Tick whichever is applicable for the following:

3. Details of analysis required-

- **Please mention Range for Raman shift (cm⁻¹):**
- **Analysis temperature(Please mention the temperature range)**
 - Room Temperature
 - Low temperature (cryostat 10 to 300 K)-
 - High temperature (furnace 300 to 1500 K)-
- **Laser Required (charges will be applicable as per laser used) :**
 - 325 nm 532 nm 633 nm 830 nm

4. Sample Type: Solid (Powder, Pellet, Bulk)/Liquid/ Dispersion/Emulsion/Colloidal/Gel/
Gas/Oil/Others (Specify)

5. Sample Category: Composite Material/ Thin Film / Metal/ Polymer/ Environmental/ Ceramic/
Others (Specify)

6. Sample dimension (length/breadth/thickness /weight/volume)

7. Sample nature: Organic/ Inorganic/ Magnetic/ Non Magnetic /Any other characteristic nature
(Specify)

8. Moisture: Present/Absent/NA

- 9. Can the sample be stored under atmospheric conditions (RTP)**
- 10. Sample Properties:** Carcinogenic(carcinogenicity level-----) /Non Carcinogenic Radioactive/
Explosive/ Toxic/ Corrosive/ Flammable/ Non flammable/ Other(specify)
- 11. Whether incompatible with any material-** Yes/No (Specify the materials)
- 12. Toxicity:** Hazardous/ Non Hazardous
- 13. Health hazards:** Yes/No(irritant to skin/irritant to eyes/harmful to skin/ toxic if inhaled/toxic if ingested)
- 14. First aid measures:** Eye/Skin/Inhalation/ Ingestion/Others(specify)
- 15. Disposal Method of sample :**
- 16. Additional information if any:**
- 17. Label the sample(s)/ sample container(s) with hazard category**
- 18. 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.**
- 19. MSDS (should be uploaded/ attached if available):**
- 20. Please fill in appropriate numbers in the NFPA diamond: (*Kindly refer the image at the end of the file for reference):**



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 10-13.

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:

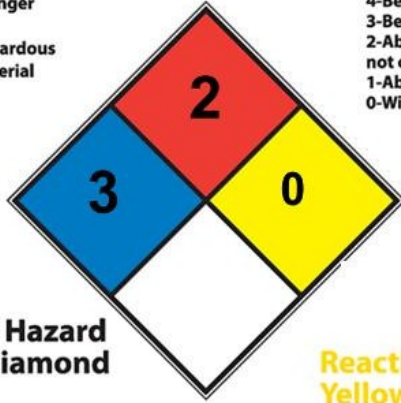
* refer the image below for reference for filling up Point 20

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