

# INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

Sophisticated Analytical Instrument Facilities (SAIF)

Centre for Sophisticated Instruments and Facilities (CSIF)

Analysis request form and safety data sheet- **GCHRMS Orbitrap**

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

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Date: \_\_\_\_\_

1. Name of User: \_\_\_\_\_
2. Mobile/ Phone No. of User: \_\_\_\_\_
3. Email address of User: \_\_\_\_\_
4. Name of Organization: \_\_\_\_\_
5. Address of Organization: \_\_\_\_\_
6. Name of Head / Principal Investigator: \_\_\_\_\_
7. Email of Head / Principal Investigator: \_\_\_\_\_
8. Mobile/ Phone No. of Principal Investigator: \_\_\_\_\_
9. Number of Samples/injections: \_\_\_\_\_
10. Preferred Date for the Slot: \_\_\_\_\_

## Sample Information

- (a) **Sample Code/Name:** \_\_\_\_\_
- (b) **Sample quantity** (weight/volume): \_\_\_\_\_
- (c) **Sample Type:** Solid (Powder, Pellet, Bulk)/Liquid/ Dispersion/Emulsion/Colloidal/Gel/  
Gas/Oil/Others (Specify):  
\_\_\_\_\_  
\_\_\_\_\_
- (d) **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)  
\_\_\_\_\_  
\_\_\_\_\_

(e) **Details on Sample Preparation/Processing:**

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(f) **What steps have been taken to ensure that samples are free of water:**

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(g) **Analytes of interest & boiling point:**

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(h) **Solvent:** 

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(i) **Concentration of analytes (in ppm):**

(j) **Information on columns and temperature programming preferred for the analytes based on Literature:**

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(k) **Preferred Mode of injection:** Liquid / Headspace / SPME

(l) **Additional information:** (Constraints/Preferences/ etc.):

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- i. **Specify the Storage and handling conditions** (Room temp/ Refrigeration)
- ii. **Sample Properties:** Carcinogenic (carcinogenicity level-----) / Non- Carcinogenic  
Radioactive/ Explosive/ Toxic/ Corrosive/ Flammable/ Non-flammable/ Other(specify)
- iii. **Stability of sample:** Stable under RTP, hygroscopic, sublimates, Reactive in air/moisture/ light/heat
- iv. **Decomposition temperature:**
- v. **Whether incompatible with any material-** Yes/No (Specify the materials)
- vi. **Toxicity:** Hazardous/ Non-Hazardous
- vii. **Health hazards:** Yes/No (irritant to skin/irritant to eyes/harmful to skin/ toxic if inhaled/toxic if ingested)
- viii. **First aid measures:** Eye/Skin/Inhalation/ Ingestion/Others(specify)
- ix. **Disposal Method of sample:**
- x. **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**
- xi. **MSDS (should be uploaded/attached if available)**

***Important information:***

Please follow Instructions for submission of external samples and sample preparation guidelines.

***Undertaking***

I understand that the samples will be analyzed according to the choices recorded in the form.

I declare that adequate steps have been taken to ensure that the samples are free of water.

I declare that the samples are non-infectious and non-explosive.

I have read instructions for external user registration and sample preparation and agree to acknowledge Gas Chromatograph-High resolution Mass Spectrometer Orbitrap SAIF/CSIF of IIT Bombay in our Publications/Reports/Thesis in which the data is reported with due feedback to [gchrms\\_saif@iitb.ac.in](mailto:gchrms_saif@iitb.ac.in).

**Signature:**\_\_\_\_\_

**Date:** \_\_\_\_\_

**Place:**\_\_\_\_\_