

KUVEMPU UNIVERSITY

Dept. of P.G. Studies & Research in Environmental Science
Kuvempu University, Jnana Sahyadri
Shankaraghatta-577 451 Shivamogga, Karnataka, India

To,
The Head
SAIF, IIT Bombay.

Date: 17-06-2025

Sub: OHRLCMS Analysis of Samples at SAIF IIT Bombay.

Dear Sir,

Mr. Srinivasa Naik, Research Scholar, studying at our Institute under the guidance of Prof. Hina Kousar, Dept. of Environmental Science, Kuvempu University would like to use the Instrument Facility at SAIF IIT Bombay.

We have 2 Samples for OHRLCMS. The Material Safety Data Sheet (MSDS) is attached herewith for the said analysis.

Further we state that if any of the analysis data / results received from the OHRLCMS Facility is used in any publication or thesis, we agree to acknowledge the SAIF, IIT Bombay in our Publication and Thesis. We shall submit a soft copy of the same to office.saif@iitb.ac.in for information.

Further we acknowledge & accept that:

- The contents of the report prepared based on the measurement are purely technical/scientific in nature.
- This report is not a legal document per se and is based on the samples provided by us.
- We (the applicants) understand and accept that this report is not a certificate for any performance / efficacy / efficiency / utility related aspects. This report may not be construed as a legal document, certificate or endorsement and may not be used for marketing of the products or processes.
- We (the applicants) shall be solely responsible for any intended use / utilization of the report provided and / or the contents thereof. All warranties or representations of any kind pertaining to the report, or its contents are hereby expressly excluded.
- I accept that all the issued reports/results (Soft/hard) will not carry any Signature or Seal and Stamp of SAIF IIT Bombay.
- If our Institute has GST Number. But if we fail to provide the same to you, in that case Invoice / Bill will be generated without GST No. and request to add GST No. after invoice generation will not be entertained by SAIF is acceptable by us.

The GSTIN Registration No. of our Institute is: 29AAAJK1264E1DM

Thanking You,

Signature of Guide / Professor / Head
Name
Designation
Department

: 
: Hina Kousar
: Professor
: Environmental Science
: Kuvempu University

Dr. Hina Kousar, M.Sc., Ph.D.
RESEARCH SUPERVISOR
Dept. Official Seal & Research in
Environmental Science
Jnana Sahyadri, Kuvempu University
SHANKARAGHATTA - 577 451
Karnataka, India

INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY

Sophisticated Analytical Instrument Facility (SAIF)

ANALYSIS REQUEST FORM AND SAFETY DATA SHEET -LCMS/QTOF/Orbitrap

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

Name of the user:	Srinivasa Naik
Email	mr.srinivasa.naik@gmail.com
Contact No:	9988600338
Name of the Institute/Organization:	Environmental science
Address of Institute / Organization:	Kuvempu University, Shankaraghatta, Jnana Syhadri, Chikamogga - 577451

Name of Guide/PI:	prof. Hina Kousar
Email	Eshinakousar@gmail.com
Contact No	9449100288

1. Sample Code/Name:

2. Number of Samples: 2

Kindly Tick whichever is applicable for the following:

3. Analysis required- Qualitative/Quantitative/both ☒

4. Details of Analysis required:

The pesticide, weedicide and fungicide measured about 1ml and diluted in distilled water. These were used to study degradation capability of bacterial strains, need to analyse HPLC before and after

5. Expected compounds with empirical formula: degradation including metabolites & intermediates

6. Sample Type: Solid (Powder, Pellet, Bulk)/Liquid/ Dispersion/Emulsion/Colloidal/Gel/ /Others (Specify) ☒

7. Sample Category: Biological (Microorganisms/ Fungal/Bacterial/ Protein/ blood/ Plasma/ Serum/ Organs/ urine/Stool/ Cancerous Cells/Non Cancerous Cells/Plant Extracts/ Marine extracts)/ Polymer/ Environmental/ Others (Specify) ☒

8. Sample volume/concentration/weight/specify concentration 15 ml (10 ppm approximately) ☒

9. Sample Preparation: Required(specify)/Not required ☒

10. Solvents required- Acetone/ ACN/ Methanol/ 2-Propanol/ Chloroform/ DCM/ Ethylacetate/ buffer/water others(specify) ☒

11. Sample nature: Organic/ Inorganic/ Any other characteristic nature (Specify) ☒

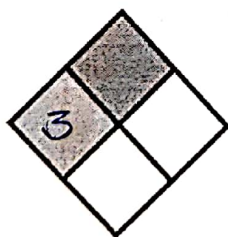
12. Moisture: Present/Absent/NA ☒

13. Volatile organic compound: Present/ Absent/NA ☒



14. **Stability of sample:** Stable under RTP, hygroscopic, sublimes, Reactive in air/moisture/ light/heat
15. **Specify the Storage and handling conditions** (Room temp/ Refrigeration)
16. **Sample Properties:** Carcinogenic(carcinogenicity level-----) /Non Carcinogenic Radioactive/ Explosive/ Toxic/ Corrosive/ Flammable/ Non flammable/ Other(specify)
17. **Whether incompatible with any material-** Yes/No (Specify the materials)
18. **Toxicity:** Hazardous/ Non Hazardous
19. **Health hazards:** Yes/No(irritant to skin/irritant to eyes/harmful to skin/ toxic if inhaled/toxic if ingested)
20. **First aid measures:** Eye/Skin/Inhalation/ Ingestion/Others(specify)
21. **Disposal Method of sample :** Dilute the sample with water and disposed off
22. **Additional information if any:**
The sample should handle carefully, After processing the sample hands should be washed thoroughly with soap.
23. **Label the sample(s)/ sample container(s) with hazard category**
24. All Samples will be discarded within 7 days of analysis. If you want to use the sample further, you are required to make arrangement for the same. SAIF office will not dispatch the sample to users under any circumstances.
25. **MSDS (should be uploaded/ attached if available):**
26. **Please fill in appropriate numbers in the NFPA diamond: (*Kindly refer the image at the end of the file for reference):**

Health hazard
Blue diamond
~2 Hazardous



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 16-19.

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.T. / Guide
seal / stamp

Dr. Hina Kousar, M.Sc., Ph.D.
RESEARCH SUPERVISOR
Dept. of P.G. Studies & Research in
Environmental Science
Jnana Sahyadri, Kuvempu University
SHANKARAGHATTA - 577 451
Karnataka, India

Date: 17/06/2025
Place: Shankaraghatta

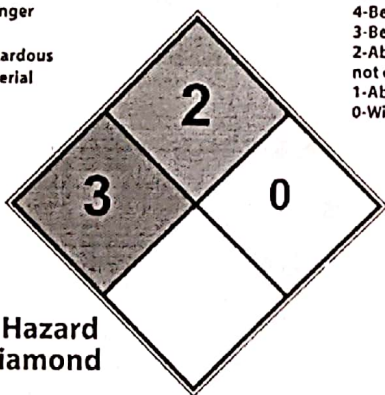
* refer the image below for reference for filling up Point 26:

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

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