

INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY
Sophisticated Analytical Instrument Facility (SAIF)
ANALYSIS REQUEST FORM AND SAFETY DATA SHEET-CHNS/O

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

Name of the user: AMARVEER PRATAP RANA
Email: amarveer-2421ch10@iitp.ac.in
Contact No: 9512 9521097005
Name of the Institute/Organization: IIT PATNA
Address of Institute / Organization: IIT PATNA, BIHAR, 801106 (BIHAR)

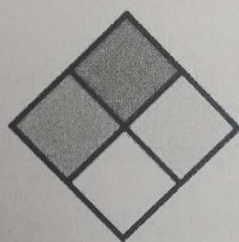
Name of Guide/PI: Dr. JAGADISH DAS
Email: jdas@iitp.ac.in
Contact No: 9456382643

1. Sample Code/Name: NRH-12, NRH-24, NRH-48
2. Number of Samples: 3

Kindly Tick whichever is applicable for the following:

3. Analysis required- Qualitative/Quantitative ☒
4. Details of Analysis required: CHNS
5. Expected Percentage: Separate sheet submitted
6. Sample Type: ☒ Solid (Powder, Pellet, Bulk)/Liquid/ Dispersion/ Emulsion/ Colloidal/
Gel/Oil/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)/
Composite Material/ Thin Film / Metal/ Polymer/ Environmental/ Ceramic/ Others (Specify)
8. Sample quantity (weight/volume) (Specify) : 15 mg per sample
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. **Sample Properties:** Carcinogenic (carcinogenicity level-----) /Non Carcinogenic Radioactive/
Explosive / Toxic/ Corrosive/ Flammable/ Non flammable / Other(specify)
14. **Stability of sample:** Stable under RTP, hygroscopic, sublimes, Reactive in air/moisture/ light/heat
15. **Decomposition temperature:** about 210°C
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. **Disposal Method of sample**
21. **Additional information if any:**
22. **Label the sample(s)/ sample container(s) with hazard category**
23. 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.
24. **MSDS (should be uploaded/ attached if available)**
25. 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):



Declaration

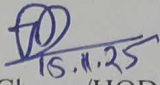
I confirm that the samples submitted for analysis are for research purpose only and the above furnished details are correct and true to the best of my knowledge. I understand that I will be held responsible for any damages arising from incorrect information provided by me against points 13-18.

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.

AMARVEER PRATAP RANA
Signature of the User


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

Date: 15/11/25

Place: IIT, PATNA

CHEMISTRY DEPARTMENT

Dr. Jagadish Das
Assistant Professor
Dept. of Chemistry
Indian Institute of Technology
Bihta, Patna-801106

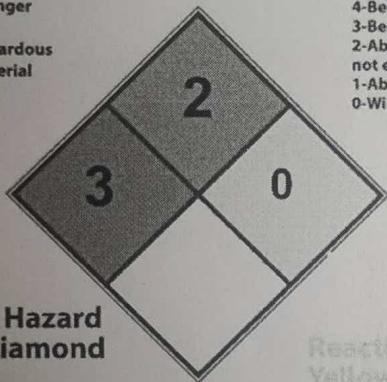
* refer the image below for reference for filling up Point 25:

**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

Covering Letter on Institute / College Original Letterhead**

Date:

To,
The Head
SAIF, IIT Bombay.

Sub: CHNS (Instrument/facility name) Analysis of Samples at SAIF IIT Bombay.

Dear Sir,

Mr./ Ms. Amarveer Pratap Rana (Name of the user) Ph.D Scholar (Designation) studying/employed at our Institute under the guidance of Dr. Jagadish Das (Guide Name) & Chemistry (Department) would like to use the Instrument Facility at SAIF IIT Bombay.

We have 3 (No. of Samples) for CHNS (name of instrument/facility). 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 CHNS (Instrument/facility name) facility is used in any Publication or Thesis, we agree to acknowledge the CHNS (Instrument/facility name) 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 _____

Thanking You,

Signature of Guide / Professor / Head :
Name Dr. Jagadish Das :
Designation Asst. Professor :
Department Chemistry :

Dr. Jagadish Das
Assistant Professor
Dept. of Chemistry
Indian Institute of Technology
Bihar, Patna-801106

Official Seal

**** This Covering Letter should be on your Institute's Original Letterhead which should have your Institute complete postal address with state and pin code duly signed and with Institute's official seal. Any Letter with incomplete details and without Institute's official stamp will not be entertained.**