



# COMSATS University Islamabad, Lahore Campus

## Department of Chemical Engineering

### Gas Chromatogram - Sample Submission Form

(Doc No. CUI-LHR/ChE-Lab/Temp/14/Rev#01)

#### 1. Supervisor Details:

Name	
E-mail	
Dept. & University	
NRPU No. / (Project No.)	
Project Name	
Mobile No.	

#### 2. Sample Details:

Sample I.D	<b>(Only One Sample)</b>	
Chemical Name		
Chemical Formula/Composition		
Solvent		
Concentration		<b>Unit:</b>
Purity	<input type="checkbox"/> Single _____ Or <input type="checkbox"/> Mixture _____	
Boiling Point (°C) (for each component)		

**Note:** The 'sample' must be provided in dissolved form.

#### 3. GC/MS Parameters:

Preferred Detector	<input type="checkbox"/> MS	<input type="checkbox"/> FID	<input type="checkbox"/> TCD
Detector Temperature (°C)			
Column (Agilent)	<input type="checkbox"/> HP-5MS <input type="checkbox"/> DB-1	<input type="checkbox"/> DB-5MS <input type="checkbox"/> HP-INNOWax	<input type="checkbox"/> HP-PONA
Carrier Gas	<input type="checkbox"/> He	<input type="checkbox"/> N <sub>2</sub>	<input type="checkbox"/> Other: _____
Fuel Gas (In case of FID)	<input type="checkbox"/> H <sub>2</sub>		
Gas Flow Rate (ml /min)	Carrier Gas	Hydrogen	Air

Inlet Temperature (°C)				
Oven Temperature (°C)				
Injection Mode	<input type="checkbox"/> Split <input type="checkbox"/> Splitless			
Type of Fiber				
Injection Volume (uL)				
Scan Type	<input type="checkbox"/> Full Scan <input type="checkbox"/> SIM			
Incubation	Pre-Incubation Time (Sec)	Incubation Temperature (C°)	Extraction Time (Sec)	Desorption Time (Sec)
Other (Please specify)				

#### 4. Oven Temperature Programming:

	Rate (°C / min)	Value (°C)	Hold Time (min)
Initial	-----		
Ramp 1			
Ramp 2			
Ramp 3 (if any)			

#### 5. Method Reference:

Publication Title			
Author			
Publication Type	<input type="checkbox"/> Journal <input type="checkbox"/> Book <input type="checkbox"/> Reference Work		
Journal Title			
Journal Vol. & Pages			
DOI			

**Note: Please attach 'Reference Paper' as well.**

## 6. COSHH Detail:

### 6.1. Hazards:

Sample	Hazard						
	Very Toxic	Toxic	Flammable	Corrosive	Harmful	Irritant	Highly reactive
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 6.2. Specific Precautions:

Sample	Precautions			
	Gloves	Mask	Safety shield	Other (specify)
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

I declare that I have assessed the risk of using the samples listed above and consider that they are safe to use provided that good laboratory practice is followed together with the safety requirements as detailed above.

By signing this form I agree the terms and conditions as stated below:

1. No sample will be accepted/tested without completing the 'Sample Submission Form'.
2. The amount of the sample submitted for testing may be lost.
3. The scan graph and other related data will be provided on a CD provided by the submitter.
4. Samples to be analyzed must be provided along with standard samples at the time of submission of application form. Samples preparation is strictly prohibited in the Spectroscopy Lab.
5. The samples must be sent through proper channel.
6. Maximum **5 samples** can be submitted at one time.
7. For samples originating from other sources than CUI, extra terms and conditions will be applied. For details, contact Dr. Abdul Razzaq ([abdulrazzaq@ciitlahore.edu.pk](mailto:abdulrazzaq@ciitlahore.edu.pk)) / Dr. Zulfiqar Ali ([zulfiqarali@ciitlahore.edu.pk](mailto:zulfiqarali@ciitlahore.edu.pk)).

8. The sample indicated in this COSHH form are mine and do not originate from some other university/institute/organization.

<b>Name (Applicant)</b>		Signature & Date	
Name (Supervisor)		Signature & Date	

For Official Use Only (Do not write below this line)

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**Approval and comments**

**Lab In-charge name:** \_\_\_\_\_ **Signature & Date:** \_\_\_\_\_