



**MAKMAL BERPUSAT**  
**UNIVERSITI MALAYSIA TERENGGANU**  
 21030 Kuala Terengganu, Terengganu  
 Fax : 09-668 3395

Form Num.	UMT/MB/M/2016/ HPLC
Sample No.	HPLC/

**HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC) ANALYSIS APPLICATION FORM  
 (LC PROMINENCE-SHIMADZU)**

**APPLICANT'S PERSONAL PARTICULARS**

<b>Name of Applicant</b>						
<b>Status of Applicant</b>	<b>Internal</b>	Undergraduate		Master/PhD		Collaborator
	<b>External</b>	Student		Government		Private
<b>Student ID / IC No.</b>						
<b>Faculty/ Department</b>						
<b>Hand Phone No. &amp; Email</b>						

**SUPERVISOR DETAILS**

<b>Name of Supervisor</b>						
<b>Research Vot. No.</b>						
<b>Faculty/Department</b>						
<b>Payment via *</b>	Cash / Electronic Fund Transfer (EFT)					Local Order (LO) / Purchase Order (PO)
	Direct Invoice		Vot Transfer			
<b>Hand Phone No. &amp; Email</b>						
<b>Signature &amp; Official Stamp Date</b> <i>I hereby declare that all information provided is true.</i>	<b>Signature:</b>			<b>Stamp:</b>		

**ANALYSIS INFORMATION**

<b>HPLC Type</b>	Preparative HPLC		Analytical HPLC		*Please tick Analytical, detectors: UV & fluorescence Preparative, detector: PDA			
<b>Standard Name/Type:</b> .....	<b>Standard concentration:</b>		ppm	ppm	ppm	ppm	ppm	
	<b>Label as:</b>							
	<b>No of Replicates:</b>		Single standard			No / yes		
*injections/replicates for standard are charged same as samples *standard should be filtered using 0.2 or 0.45µm syringe filter & place in 2ml vials								
<b>Sample Name/Type:</b> ..... <i>Maximum number of sample for UMT undergraduate : 10 samples including standard</i>	<b>Type:</b>		<b>Sample Origin:</b>		<b>Sample Purity: (Crude / Pure )</b>			
	<b>Sample Toxicity: (Carcinogenic/Not Sure)</b>		<b>Sample Storage: (Room Temperature/ 4° C )</b>					
	<b>List of sample with labels:</b>							
	<b>1</b>		<b>6</b>					
	<b>2</b>		<b>7</b>					
	<b>3</b>		<b>8</b>					
<b>4</b>		<b>9</b>						
<b>5</b>		<b>10</b>						
* Please attach additional list of samples if necessary * Samples must be filtered using 0.2 or 0.45µm syringe filter & place in 2ml vials								
<b>Mobile Phase</b> <i>List HPLC Grade Solvent: (Acetonitrile/methanol/formic acid/TFA/deionized water)</i>	<b>A :</b>			<b>C :</b>				
	<b>B :</b>			<b>D :</b>				
<b>Column</b>	<b>*Provided:</b> C18, Hypersil Gold, Thermo scientific			<b>Length:</b> ( 25cm /15 cm)	<b>Diameter:</b> 4.6 µm			
	<b>Column Type:</b>			<b>Length:</b>	<b>Diameter:</b> µm			
<b>Max Column Pressure:</b> <i>*If using your own column please fill information needed</i>								
<b>Method of Analysis</b> <i>(Please attach main journal for method references)</i>	<b>Flow Rate:</b> _____ ml/min		<b>Detector:</b> UV/PDA/Fluorescences					
	<b>Dual/ Single,</b>		<b>Channel Detector:</b> _____ nm, _____ nm					
	<b>Column Oven:</b> _____ °C		<b>Injection Volume:</b>					
	<b>Time</b>	<b>% A</b>	<b>%B</b>	<b>%C</b>	<b>%D</b>			

<b>Please Specify any Result Expectation</b> <i>(eg. Concentration range)</i>		
<b>Sample should be returned *</b>		Yes
		No <i>(If no, please enclosed disposal procedure)</i>
<b>OFFICE USE</b>		
Date of Received		
Date of Completion		
Signature & Stamp of Person In-Charge		

\*Please tick

**General Rules and Requirement:**

1. Any sample or derivation of swine/pork/lard/pig/dogs type is not accepted for analysis purposes.
2. Please refer to the website (<http://makmalberpusat.umt.edu.my/>) for further details of pricing and instrument. All analysis prices are subject to change.
3. All information provided should be true.
4. Booking procedure
  - a. Complete the application form including valid Research Vot. No.
  - b. Submit the completed application form to the lab staff. Please attached the reference journal/method of analysis.
5. Sample Condition & Preparation
  - a. Please be ensure the **MINIMUM SAMPLE VOLUME REQUIRED 0.5 to 1ML PER VIAL** or **USE INSERTER FOR SMALL VOLUME.**
  - b. **MINIMUM SAMPLE FOR ANALYSIS AT LEAST 10 SAMPLES.**
  - c. **PACKAGING; SAMPLE SHOULD BE FILLED IN 2 ML VIALS & READY FOR INJECTION.**
  - d. **ALL MOBILE PHASE, SAMPLE & STANDARD MUST BE FILTERED.**
  - e. Any relatively high concentration of the samples will be made further dilution upon discussion between client & person in-charge.
  - f. **REPLICATES ARE CONSIDERED AS SAMPLES.**
  - g. Column provided as stated in this form, otherwise user should provide your own specific column.
  - h. Makmal Berpusat UMT has the right to cancel any analysis if the sample is suspected to have high risk on the safety of the operator or can cause damage to the instrument during the analysis.
6. All inquiries regarding HPLC instrument should be forwarded to the Science Officer (Mr Nik Mohd Hafiz/ 09-668 3752/ [nik.hafiz@umt.edu.my](mailto:nik.hafiz@umt.edu.my))

REMARKS - OFFICE USE				
NO	DESCRIPTION			CHECKLIST - PIC
1	Storage		Room	Location:
			4°C	
			-20°C	
			-80°C	
2	List of received Item	No	Item	Quantity
		1		
		2		
		3		
		4		
		5		
3	Post Analysis		Storage	
			Dispose	
4	Receiver Name			
		Stamp :		Stamp :
		Date:		Date: