



UNIVERSITI SAINS MALAYSIA

**PUSAT PENGAJIAN SAINS KIMIA**

SCHOOL OF CHEMICAL SCIENCES

**UNIVERSITI SAINS MALAYSIA**

11800 USM, PULAU PINANG

Tel: 04-653 3540

**BILIK ALATAN HPLC**

K213/G09A Analisis (Analysis)

K319/G09A Analisis (Analysis)

Tarikh

(Date)

Staf Bertugas

(Staf In-Charge)

019-351 5424 (Mr. Zamri)

**BORANG PERMOHONAN ANALISIS HPLC**

(HIGH PERFORMANCE LIQUID CHROMATOGRAPHY, HPLC ANALYSIS APPLICATION FORM)

<b>Nama Pemohon</b> (Applicant's Name)		<b>No. Telefon</b> (Phone No.)	
<b>Alamat Email</b> (Email Address)		<b>Tandatangan Pemohon</b> (Applicant's Signature)	
<b>Pusat Pengajian/Makmal</b> (School/Lab)		<b>*No. Matrik/Staf</b> (Matric/Staf No.)	
<b>Status Pemohon, sila tanda √</b> (Applicant's Status, please mark √)	<input type="checkbox"/> Pelajar PhD (PhD student)	<input type="checkbox"/> Pelajar sarjana (MSc student)	<input type="checkbox"/> Pelajar tahun akhir (Undergraduate / FYP student)
<b>Nama Penyelia</b> (Supervisor's Name)		<b>No. PO / No. Resit Pembayaran</b> (Purchase Order No. / Receipt No.)	
<b>Tandatangan Penyelia</b> (Supervisor's Signature)		<b>Cop Penyelia</b> (Supervisor's Stamp)	

\*Untuk USM sahaja (USM only)

**MAKLUMAT SAMPEL**  
(SAMPLE INFORMATION)

<b>JENIS SAMPEL</b> (*cecair sahaja) Type of Sample (*liquid only)	
<b>FASA GERAK / PELARUT</b> (sila nyatakan) Mobile phase / Solvent (please specify)	
<b>JUMLAH SAMPEL</b> Total Number of Sample	

**SPESIFIKASI METOD**  
(METHOD SPECIFICATION)

HPLC Parameter Details		Condition for Mobile Phase Gradient Type only		
		Time (min)	% Solvent 1 <small>Solvent / mobile phase 1</small>	% Solvent 2 <small>Solvent / mobile phase 2</small>
<b>Injection Volume (µl)</b>				
<b>Column status (please mark √)</b>	<input type="checkbox"/> Bring own column			
	<input type="checkbox"/> Using SCS column			
<b>Column Flow Rate (ml/min)</b>				
<b>Run Time (min)</b>				
<b>Mobile phase type</b> (please mark √)	<input type="checkbox"/> Isocratic			
	<input type="checkbox"/> Gradient			

**KEGUNAAN PEJABAT**  
(OFFICE USE)

<b>Tarikh Terima Sampel</b> (Sample Received Date)		<b>Tarikh Lengkap Analisis</b> (Completed Analysis Date)	
<b>Tandatangan dan Cop Pegawai Bertugas</b> (Signature and Stamp of Officer In-Charge)			

**General Rules and Requirements:**

- Sampel mestilah dalam bentuk cecair.  
(Sample must be in liquid form).
- Isipada suntikan sampel adalah 20 µl sahaja.  
(The sample injection volume must be 20 µL only).
- Pelarut daripada jenis HPLC gred adalah diwajibkan dibawa bersama sampel.  
(HPLC grade solvent type is required to be brought with sample).
- Sila lampirkan jurnal rujukan bersama borang ini.  
(It is compulsory to attach journal of reference with this form).
- Sampel perlu dilabelkan dengan jelas.  
(Sample need to be clearly labelled).
- Semua harga analisis adalah tertakluk kepada perubahan.  
(All analysis prices are subject to change).
- Anggaran menunggu untuk keputusan adalah dalam tempoh 1 – 2 minggu.  
(Estimated waiting period for result is within 1 – 2 weeks).