



**FAKULTI SAINS GUNAAN
UNIVERSITI TEKNOLOGI MARA**

Sample Submission Form

Instrument	:	☐ Rotary evaporator – Eyela N1001 / IKA RV06-ML ☐ Shaking water bath – LabTech LSB0305 ☐ Vacuum oven – Lab Companion OV-12 / Memmert VO 400 ☐ Convection oven – Memmert UFE 400 / Ecocell EC 55
Note	:	1. <i>Please tick and underline whichever applicable.</i> 2. <i>Each application is only meant for one equipment.</i> 3. <i>Please research on the method or procedure before using the equipment.</i> 4. <i>Maximum 8 samples are allowed for each application.</i>

(A) Particulars of Sample Owner

Name of applicant:		Supervisor's name (if applicable):	
Student ID:		Staff No:	
Department and Organization:		Telephone No.:	
Telephone No.:		Email:	
Email:		Supervisor's signature:	
Applicant's signature:		Supervisor's rubber stamp:	

(B) Details of Samples

(Provide detailed information for whichever **applicable** column)

	Sample ID	Name of sample [please specify the chemical component(s) of your sample]	State of sample (e.g. solid film, powder, liquid etc.)	Others (pls specify)
1				
2				
3				
4				
5				
6				
7				

PLEASE ALWAYS CONSULT THE TECHNICIAN-IN-CHARGE BEFORE SAMPLE SUBMISSION

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(C) Conditions of measurement (standard parameter)

<u>Rotary evaporator:</u> 1. Temperature: i. Water bath: 50 °C ii. Chiller: 10 °C 2. Speed: 50 rpm 3. Solvent used: 4. Vacuum pressure: <i>*Depends on the solvent used</i> 5. Sample solution: 2 % - 4 % (m/m) stock solution is recommended. Max. 500 mL stock solution per measurement.	<u>Vacuum oven:</u> 1. Temperature: (max. 120 °C) 1. Vacuum pressure: (min. 110 mbar) 2. Purge gas: N ₂ , 10 psi at 1000 mbar (required/not required) <i>*Please indicate</i> 3. Duration: <i>Note: please fill up section (D) if applicable</i>
<u>Shaking water bath:</u> 1. Temperature: i. Water bath: 50 °C 2. Speed: 50 rpm 3. Duration:	<u>Convection oven:</u> 1. Temperature: (max 120 °C) 2. Fan speed: 3. Duration:

If other conditions needed, please specify:

(D) Thermal procedure for each sample or one procedure for all samples (applicable for vacuum oven with N₂ gas purging only)

e.g. Sample ID: heat sample from 30 °C to 120 °C at 1000 mbar with N₂ gas purging

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For office use:

1	Name of technician / coordinator :	
2	Date of sample(s) received :	
3	Signature of coordinator :	

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