



**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. *Please tick and underline whichever applicable.*
 2. *Each application is only meant for one equipment.*
 3. *Please research on the method or procedure before using the equipment.*
 4. *Maximum 8 samples are allowed for each application.*

(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 <small>[please specify the chemical component(s) of your sample]</small>	State of sample <small>(e.g. solid film, powder, liquid etc.)</small>	Others <small>(pls specify)</small>
1				
2				
3				
4				
5				
6				
7				
8				

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(C) Conditions of measurement (standard parameter)

<p><u>Rotary evaporator:</u></p> <ol style="list-style-type: none"> 1. Temperature: <ol style="list-style-type: none"> i. Water bath: 50 °C ii. Chiller: 10 °C 2. Speed: 50 rpm 3. Solvent used: 4. Vacuum pressure: <p><i>*Depends on the solvent used</i></p> <ol style="list-style-type: none"> 5. Sample solution: 2 % - 4 % (m/m) stock solution is recommended. Max. 500 mL stock solution per measurement. 	<p><u>Vacuum oven:</u></p> <ol style="list-style-type: none"> 1. Temperature: (max. 120 °C) 1. Vacuum pressure: (min. 110 mbar) 2. Purge gas: N₂, 10 psi at 1000 mbar (required/not required) <i>*Please indicate</i> 3. Duration: <p><i>Note: please fill up section (D) if applicable</i></p>
<p><u>Shaking water bath:</u></p> <ol style="list-style-type: none"> 1. Temperature: <ol style="list-style-type: none"> i. Water bath: 50 °C 2. Speed: 50 rpm 3. Duration: 	<p><u>Convection oven:</u></p> <ol style="list-style-type: none"> 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

For office use:

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

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3	Signature of coordinator	:
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