

APPLICATION FORM

			Fo	r La	boratory Use Only
DSC/MCDSC TESTING & ANALYSIS SERVICE			Received date Ref. no. Quotation no. Date completed	:	□ Accepted □ Rejected DSC/A/20/
			Total Charge Pan Operator Officer in Charge	: : : Ə :	RM Own / Dept. □ Mr. Hafizie □ Mrs. Azlin
	APPLICANT INFORMATION		SAM	PLE I	INFORMATION
NAME SUPERVISOR MATRIX NO CONTACT NO.	: Please (√) at the relevant box: □ RESEARCH ASSISTANT □ UNDERGRADUATE / PROJECT STUDENT □ POSTGRADUATE (Master/PhD) □ OTHERS (Postdoctoral/Lecturer) :	☐ poly □ pha □ food □ pure	e organics nposite ers Form d vder		naining Sample Collect Waste
EMAIL	:				

DETAILS OF ANALYSIS

Sample Name/Cada	Thermogravimetric Analysis (TGA)	Differential Scanning Calorimeter (DSC)					
Sample Name/Code	¹ Decomposition	Start Temperature, °C	End Temperature, °C	Scan Rate,	Gas Flow		
	Temp. °C	(max60°C)	(max. 450°C)	∘C/min	Rate (ml/min)		
Program Parameters for DSC:							
Heat Only							
Heat – Cool							
🗆 Heat – Cool – Heat							

¹ Compulsory to fill up. Please attach TGA result. Officer will rejected if no TGA result is attached.

CONFIRMATION OF USING SERVICE



APPLICATION FORM

RESEARCH FUND INFORMATION

(1) For HIR, please issue Journal Transfer Form and complete the form. Send a copy of completed form to DSC laboratory. For Internal Grant (UMRG, PPP,BKP,.) and External Grant (SCIENCE Fund, FRGS,.)

Please do fund tra	insfer to
Account	: BUKU PETUNJUK JABATAN KIMIA J-21030-UM.0000003/KWJ.NP.BP
Revenue Code	: H724001
Description	: Usage of DSC instrument
Amount	: As per service charge

(2) Service charge as follow. For latest charge please refer to Chemistry Department Central Facility Website : cenfac.um.edu.my

Equipment	Price (RM/sample/scan)					
Equipment	Final Year Project (FYP)		Chemistry Department		Faculties within UM	
DSC	30.00	50.00	50.00	80.00	80.00	110.00
Dac	(use own pan)	(use department pan)	(use own pan)	(use department pan)	(use own pan)	(use department pan)
Trans Day & Trans Howard a Lid						

*Tzero Pan & Tzero Hermetic Lid

- (3) Application forms that do not specify the decomposition temperature along with evidence from journals/TGA analysis results will be REJECTED immediately
- (4) The print-out Invoice Commitment must be approved by Supervisor and Head of Department.
- (5) Please submit together with the application form.

 We agree to make the payment in accordance to the service charge issued by Department of Chemistry, Faculty of Science, University of Malaya

 RESEARCH GRANT NAME
 :

 SUPERVISOR'S SIGNATURE
 :

 & OFFICIAL STAMP

IMPORTANT INFORMATION

- 1. Minimum sample weight is 10mg.
- 2. Maximum temperature allowed is 450°C for DSC.
- 3. Standard scan rate 10°C/min.
- 4. Training will be provided upon request. Trained users are fully responsible for the instrument and only allowed to use the instrument with the permission and supervision of DSC staff.

For any queries please contact:

Resource person	Name	Phone	Email
Assistant Science Officer	Muhamad Hafizie Muhamad Sofi	03-7967 7022 ext: 2120	fiziekedah@um.edu.my
Assistant Science Officer	Noor Azlin Binti Che Din	03-7967 7022 ext: 2122	azlin_cd@um.edu.my
Science Officer	Muhammad Fauzan Zainudin	03-7967 7022 ext. 2539	fauzan@um.edu.my
Supervisor	Dr. Shameer Hisham	03-7967 4081	shameerh@um.edu.my

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