

**DSC/MCDSC TESTING & ANALYSIS  
SERVICE**

**For Laboratory Use Only**

Received date :  Accepted  Rejected  
 Ref. no. : DSC/B/20\_\_\_/  
 Quotation no. :  
 Date completed :  
 Total Charge : RM  
 Pan : Own / Dept.  
 Operator :  
 Officer in Charge :  Mr. Hafizie  Mrs. Azlin

**APPLICANT INFORMATION**

NAME :

ADDRESS :

CONTACT NO. :

EMAIL :

**SAMPLE INFORMATION**

Type of samples  
 polymeric materials  
 pharmaceuticals  
 food  
 pure organics  
 composite  
 others

Sample Form

Solid  
 Powder  
 Liquid

Remaining Sample

Collect  
 Waste

**DETAILS OF ANALYSIS**

Sample Name/Code	Thermogravimetric Analysis (TGA)	Differential Scanning Calorimeter (DSC)			
	<sup>1</sup> Decomposition Temp. °C	Start Temperature, °C (max. -60°C)	End Temperature, °C (max. 450°C)	Scan Rate, °C/min	Gas Flow Rate (ml/min)

**Program Parameters for DSC:**

- Heat Only  
 Heat – Cool  
 Heat – Cool – Heat  
 .....

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

**CONFIRMATION OF USING SERVICE**

Applicant signature :

Date :

\_\_\_\_\_

\_\_\_\_\_

## RESEARCH FUND INFORMATION

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

Equipment	No. of Samples	Price (RM/sample/scan)	
		Collaboration	Outside UM
DSC	1-5	110.00	150.00
	>5	100.00	140.00

**\*Tzero Pan & Tzero Hermetic Lid**

- (2) Application forms that do not specify the decomposition temperature along with **evidence from journals/TGA analysis results** will be REJECTED immediately
- (3) Payment of service charge and method of payment is described in the quotation that will be provided to the user.
- (4) Invoice will be issued by the Division of Investment, Treasury Department, University of Malaya for the purpose of claiming payment for services that have been offered.
- (5) Results of analysis will be available for collection only after the Department of Chemistry has received any document that proved the payment has been made.

**I hereby agree to make the payment in accordance to the quotation issued by the Department of Chemistry, Faculty of Science, University of Malaya, Kuala Lumpur**

AUTHORISED PERSONNEL &  
COMPANY OFFICIAL STAMP :

DATE :

COMPANY REGISTRATION NO :  
GST ID :

## IMPORTANT INFORMATION

- Minimum sample weight is 10mg.
- Maximum temperature allowed is 450°C for DSC.
- Standard scan rate 10°C/min.
- 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
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L1-28 DSC LABORATORY  
CHEMISTRY NEW BUILDING  
Chemistry Department  
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