



CENTRE OF LIPIDS ENGINEERING AND APPLIED RESEARCH (CLEAR)

Universiti Teknologi Malaysia, 81310 UTM, Skudai, Johor.

Website : <http://clear.utm.my/>

LABORATORY EQUIPMENT USAGE RESERVATION FORM

CLEAR-RF-002-()

- 1) Please fill in **two (2) copies** of this form.
- 2) The form shall be submitted 1 week before proposed date for using equipment.
- 3) Send the application form to Ms. Sabariah

A. PERSONAL INFORMATION

FULL NAME :			
MATRIKS/STAFF NO :		PHONE NO. :	
IC NO:		EMAIL :	
FACULTY/INDUSTRY :			

B. EXPERIMENTAL INFORMATION

Please fill the properties for your experiment

1. Supercritical Fluid Extraction unit (SFE 1)

Name of Sample: _____

Number of days to used: _____

Date : _____

Picture of sample:

No	Description	Our Specification	Your sample description
1	Purpose for SFE (<i>extraction/ particle formation/drying/encapsulation</i>)		
2	Design of experiment/number of run.		
3	Particle size of raw material	SFE 1 Powder: 300µm - 700µm	
4	Extraction time per Run	SFE 1 Maximum hour : 3 hour per run * The best is 1 run per day	
5	Sample weight per experiment :	SFE 1 Below 10g	
6	Any use of Modifier	SFE 1 only Solvent allowed: methanol, ethanol, acetone	
7	Range of Parameter	SFE 1 Max Pressure: 30 Mpa Max Flow Rate: 5ml/min	
8	Other	Special request	

Parameter vessel at Clear UTM JB

	<p>Vessel A Volume : 10ml Inlet Diameter : 14mm</p> <p>Vessel B Volume : 30ml Inlet Diameter : 14mm</p>
	<p>Vessel C Volume : 50ml Inlet Diameter : 14mm</p>
	