



**FACULTY OF ENGINEERING
UNIVERSITI PUTRA MALAYSIA**

W2

WORK SHEET FOR BALANCE CALIBRATION

PRE-WEIGHING CHECKING

Capacity of balance : Total Weights on the pan :
 Reading on Display :
 STATUS : OK NOT OK

RESULT SHEET

Job Number : / FK / MML / J
 [Year/ PTJ/Lab/ J(E or I) serial no.] E: External, I: Internal
 Date of Calibration :
 Balance Capacity : Readability :
 Brand/Model : Serial Number :
 Surface : Round Triangle Square

Environmental Condition

Thermohygrometer ID:	S00575134		S00575135	
Maximum		Minimum		
Time		Time		
Temperature (°C)		Temperature (°C)		
Humidity (% RH)		Humidity (% RH)		

Standard Masses Used

Type of Material:

No.	Nominal Value	Weight Classification	No.	Nominal Value	Weight Classification
1			7		
2			8		
3			9		
4			10		
5			11		
6			12		

1. REPEATABILITY TEST

Load Applied:

(1/2 Capacity)

(Full Capacity)

No.	Balance Reading (g)		No.	Balance Reading (g)	
	T1	A1		T1	A1
1			1		
2			2		
3			3		
4			4		
5			5		
6			6		
7			7		
8			8		
9			9		
10			10		

2. OFF-CENTRE LOADING TEST

Mass on pan: (1/3 to 1/4 full capacity)

Position	Balance Reading (g)		
	Run 1	Run 2	Run 3
Centre			
Left			
Back			
Right			
Front			
Centre			

3. WEIGHING PERFORMANCE TEST

Nominal Load Applied (g)	Balance Reading (g)					
	Run 1		Run 2		Run 3	
	T1	A1	T1	A1	T1	A1
0.0						
0.0						

4. HYSTERISIS

M₁ (g): (1/2 Capacity)
 M₁+M₂ (g): (Full Capacity)

Pan-Load	Balance Reading (g)		
	Run 1	Run 2	Run 3
Zero, Z ₁			
M ₁			
M ₁ + M ₂			
M ₂			
Zero, Z ₂			

APPROVAL

Calibrated By

Signature:

Name :

Date :

Check By

Signature:

Name :

Date :

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