

Form B03

Scheduled Maintenance Work Order



Quantum Medical Solutions sdn bhd
transcending boundaries, transforming life

Format Ref: - QMS/TSD-022 Rev.01

Work Order No.	PWO371954	Schedule Month	March 2018
Work Order Date	01/03/2018	Completed Date	21/3/2018
Clinic Name	Klinik Pergigian Di Klinik Kesihatan Lak	Clinic Code	WPL001
BE No.	WPL000597	Distict	LABUAN
BE Category	Water Boiler	WO Assigned to	Ashmawi
Ownership	<input checked="" type="checkbox"/> Existing Equipment	<input type="checkbox"/> Purchase	<input type="checkbox"/> New
BE Condition	<input checked="" type="checkbox"/> Active	<input type="checkbox"/> BER Proposed	
Work Order Type	<input checked="" type="checkbox"/> Preventive Maintenance (PM)	<input type="checkbox"/> Third Party Calibration (TPC)	
	<input type="checkbox"/> Routine Inspection (RI)	<input type="checkbox"/> Statutory Certification (SC)	

Reschedule Date	
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BE Third Party Calibration / Statutory Certification Details			
Company Name		Cal / Cert Date	
Contact Number		Cal / Cert Expiry Date	
Action Taken checked physical heater, temperature and piping ok. clean body interior and exterior. tested run ok. ppm complete.			


Schedule Maintenance Execution Details				
SI No	QMS Engineer / Technician Name	Date	Start Time	End Time
		21/3/2018	1830	1630
Customer Remarks				
Engineer / Technician Signature Name Date		Customer Signature Name Designation Date Seal		
[Signature] [Stamp] 21/3/2018		[Signature] HERMAN NOWI Juruteknologi Pergigian Klinik Pergigian Labuan 21/4/18		




For Internal Use

First Verification
QMS Circle Incharge
JULIUS LIANSUN
BIOMEDICAL ENGINEER, QMS
019-2220179

Final Verification
QMS State Incharge
DICKY LEE
SABAH STATE MANAGER
QUANTUM MEDICAL SOLUTIONS SDN BHD

 Quantum Medical Solutions sdn bhd <small>transcending boundaries, transcending life</small>	Quantum Medical Solutions Sdn Bhd BEMS Planned Preventive Maintenance Checklist Water Boiler BE CODE : DE-029	CHECKLIST NO: CL-169 REV.000					
PART 1 ASSET DETAILS							
WORK ORDER NO ▶ pmo 371954		ASSET NO ▶ wple00597					
MANUFACTURER ▶ N/A		MODEL ▶ N/A					
FREQUENCY ▶ 3 MONTHLY () 6 MONTHLY () 12 MONTHLY (✓)		PPM HOURS ▶ 1.0					
PART 2 SPECIAL PRECAUTION							
If there is evidence of body fluid contamination, submit the device for cleaning and decontamination before inspecting it. Wear appropriate Personnel Protection Equipment (PPE) during work. Wear grounded electrostatic wristband when handling PCB or electronic components. Refer to the safety procedure for additional precautions and guidance as per manufacturer guidelines. Make sure the test equipment used are duly calibrated.							
PART 3 TEST APPARATUS							
Tick (✓) where appropriate							
NO	ASSET NO	DESCRIPTION	SERIAL NO	CALIBRATION DUE ON			
	PEESA0085	ELECTRICAL SAFETY ANALYZER	3227039	10/1/2019			
	N/A	THERMOMETER	N/A	N/A			
PART 4 QUALITATIVE TASKS							
Tick (✓) where appropriate							
	PASS	FAIL	NA		PASS	FAIL	NA
1 Chassis - verify physical integrity, cleanliness and condition	(✓)	()	()	8 Mount/ Fasteners - Verify physical integrity	(✓)	()	()
2 Power Cord - verify proper insulation and integrity	(✓)	()	()	9 Check water tank leak	(✓)	()	()
3 Strain Relief - verify physical integrity at both ends of line cord	(✓)	()	()	10 Check drain valve -Physical integrity	(✓)	()	()
4 Fittings/ Connectors - check all fittings/connectors	(✓)	()	()	11 Check label	(✓)	()	()
5 Controls/Switches - verify proper operation of controls	(✓)	()	()				
6 Indicators/ Displays - verify proper illumination and operation	(✓)	()	()				
7 Heater - verify physical Integrity	(✓)	()	()				
PART 5 PREVENTIVE MAINTENANCE TASKS							
Tick (✓) where appropriate							
	DONE	NOT DONE**	NA	Notes:			
1 Clean/Inspect the Exterior & Interior	(✓)	()	()	* For all Parts, NA is defined as NOT APPLICABLE ** If you have ticked 'NOT DONE', then justify in Part 8 *** Choose Whichever Applicable			
2 Check / replace gasket ***	(✓)	()	()				

 Quantum Medical Solutions sdn bhd <small>Ensuring the reliability of your medical equipment</small>	Quantum Medical Solutions Sdn Bhd BEMS Planned Preventive Maintenance Checklist Water Boiler BE CODE DE-029	CHECKLIST NO: CL-168 REV.000				
WORK ORDER NO ▶ <u>PWO 371951</u>						
PART 6 QUANTITATIVE TASKS						
Tick (✓) where appropriate						
No	Description	Units / UOM	Set Values	Measured Values	Limit/Tolerance	PASS FAIL NA
PART 7 ELECTRICAL SAFETY TEST						
ELECTRICAL SAFETY TEST, (attach report) <small>(In accordance to IEC 60951)</small> <input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL <input type="checkbox"/> NA						
PART 8 NOTES						
Empty space for notes						
<div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> CORRECTIVE MAINTENANCE REQUIRED </div> <div> <input checked="" type="checkbox"/> FUNCTIONING </div> <div> <input type="checkbox"/> NOT FUNCTIONING </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> WORK ORDER NO ▶ <u>NA</u> </div> <div> NEXT PPM DATE ▶ <u>20/3/2019</u> </div> </div>						
PPM has been performed in accordance to the checklist and the equipment is functioning to the intended purpose. COMPLETED BY: _____ DATE: <u>21/3/2018</u>						

Fluke Biomedical

Date 21/03/2018

Test Setup

Operator ID LBNBME
Calibration Tech
Calibration Date 10/01/2019
Firmware Version 2.08.01
Serial Number 3227058
Date & Time 21/03/2018 & 16:23
JOB Name

DUT Information

Equipment Number WPL 000597
Serial Number
Manufacturer
Model
Location KLINIK PERGIGIAN
Other

Template Information

Template Name WATER BOILER
Pause after Power ON NO
Power ON delay 2
Test Speed RAPID
Halt on Test Failure YES
Include Time YES
Insulation Resistance Voltage 250V
Multi Enclosure Test NO

Standard IEC62353-Differential
Pause before Power OFF NO
Power OFF delay 0
Test Mode AUTO
Multi PE Test NO
Multi Resstore WORST/LAST
Reverse Polarity YES
Classification I

PLC Configuration-Applied part setup

AP Name AP Type AP Num

ESA615 Test Results

Test Name	Value	High Limits	Low Limits	Status
Protective Earth Resistance	0.15 Ohm	0.3	-	P
Insulation Resistance				P
Mains to Protective Earth	999 MOhm	-	-	P
Mains Voltage				P
Live to Neutral	240.5 V	-	-	P
Live to Earth	10.4 V	-	-	P
Neutral to Earth	239.9 V	-	-	P
Equipment Current	9.7 A	-	-	P
Differential Leakage				P
Normal Condition	39 uA	500	-	P
Normal Condition-Reversed mains	52 uA	500	-	P

C.A.

Signature

Fluke Biomedical
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