

Form B03

Scheduled Maintenance Work Order



Quantum Medical Solutions sdn bhd
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Format Ref: - QMS/TSD-022 Rev.01

Work Order No.	PWO366177	Schedule Month	July 2018
Work Order Date	01/07/2018	Completed Date	10/7/2018
Clinic Name	Klinik Kesihatan Sungai Rengit	Clinic Code	JHR047
BE No.	JHR008642	Distict	KOTA TINGGI
BE Category	Mixers	WO Assigned to	ktg bme3
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	10/7/2018
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BE Third Party Calibration / Statutory Certification Details

Company Name	N/A	Cal / Cert Date	N/A
Contact Number	N/A	Cal / Cert Expiry Date	N/A

Action Taken

☒ PM / ~~PM~~ job done as per checklist. Unit tested functioning good & ready to use.

☐ Corrective Maintenance / ☐ Breakdown

BE Sticker Availability: ☒ Yes / ☐ NA

Remarks:

Manufacturer: Premier

Model: 220 D

Serial No: 061116

Schedule Maintenance Execution Details

SI No	QMS Engineer / Technician Name	Date	Start Time	End Time
10	SAFWAN	10/7/2018	10 ⁰⁰	11 ⁰⁰

Customer Remarks

10/7/2018

Engineer / Technician Signature

Name

Date

MOHAMAD SAFWAN BIN ROSLAN

Biomedical Technician

Quantum Medical Solution Sdn. Bhd

10/7/2018

Customer Signature

Name

Designation

Date

Seal

ALBANS MASIK
Juruteknologi Makmal Perubatan U29
Klinik Kesihatan Sungai Rengit
Pengerang

For Internal Use

MUHD RAMADHAN B. TAMAR JAYA

Biomedical Engineer

Technical Service Department

Quantum Medical Solutions Sdn. Bhd.

Tel: +60 12-396 1697

First Verification

QMS Circle Incharge

Final Verification

QMS State Incharge

**KEMENTERIAN KESIHATAN MALAYSIA**

MEET Planned Preventive Maintenance Checklist

Mixers

BE CODE 15-590

CHECKLIST NO: CL-100-000
REV.000**PART 1 ASSET DETAILS**

WORK ORDER NO ▶ PW0366177 BE NO ▶ JHR008642
MANUFACTURER ▶ PRIMER MODEL ▶ 2200
FREQUENCY ▶ 6 MONTHLY () 12 MONTHLY (✓) PPM HOURS ▶ 1.00

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
1	TEESA0010	ELECTRICAL SAFETY ANALYZER	3218071	24/8/2018

PART 4 QUALITATIVE TASKS

Tick (✓) where appropriate

	PASS	FAIL	NA		PASS	FAIL	NA
1 Chassis - verify physical integrity, cleanliness and condition	(✓)	()	()	8 Controls/Switches - verify proper operation of controls	(✓)	()	()
2 Casters/Brakes - if mounted, verify physical integrity	(✓)	()	()	9 Indicators/ Displays - verify proper illumination and operation	()	()	(✓)
3 AC Plug - verify integrity	(✓)	()	()	10 Alarms/ Interlocks - check all alarms available	()	()	(✓)
4 Power Cord - verify proper insulation and integrity	(✓)	()	()	11 Motor - verify proper operation	(✓)	()	()
5 Strain Relief - verify physical integrity at both ends of line cord	(✓)	()	()	12 Label - verify physical integrity	(✓)	()	()
6 Circuit Breaker/ Fuse - verify integrity of external circuit breaker and/or rating of external fuse	(✓)	()	()				
7 Fittings/ Connectors - check all fittings/connectors	(✓)	()	()				

PART 5 PREVENTIVE MAINTENANCE TASKS

Tick (✓) where appropriate

	DONE	NOT DONE **	NA
1 Clean/Inspect the Exterior & Interior	(✓)	()	()
2 Lubricate	()	()	(✓)

Notes: * For all Parts, NA is defined as NOT APPLICABLE
**If you have ticked 'NOT DONE', then justify in Part 8
*** Choose Whichever Applicable



Test Setup

Operator ID :
 Calibration Tech : MOHANA
 Calibration Date : 08/24/2018
 Firmware Version : 2.08.01
 Serial Number : 3218071
 Date & Time : 07/10/2018&10.20AM
 JOB Name :

DUT Information

Equipment Number : JHR008642
 Serial Number :
 Manufacturer :
 Model :
 Location : KK SUNGAI RENGIT
 Other :

Template Information

Template Name : MIXERS
 Pause after Power ON NO
 Power ON delay: 2
 Test Speed: NORMAL
 Halt on Test Failure: YES
 Include Time: YES
 Insulation Resistance \ 500V
 Multi Enclosure Test : NO

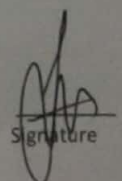
Standard : IEC60601-1-3rd Ed
 Pause before Power O NO
 Power OFF delay: 0
 Test Mode: AUTO
 Multi PE Test: NO
 Multi Resstore: WORST/LAST
 Reverse Polarity: YES
 Classification: I

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	0.065 Ohn	0.2 -		P
Insulation Resistance				P
Mains to Protective Earth	999 MOhr -	-		P
Mains to Non-Earth Accessible Conductive Pa	999 MOhr -	-		P
Mains Voltage				P
Live to Neutral	228.4 V -	-		P
Neutral to Earth	6.4 V -	-		P
Live to Earth	233.6 V -	-		P
Equipment Current	0.0 A -	-		P
Earth Leakage Current				P
Normal Condition	16.2 uA-O	5000 -		P
Open Neutral	24.4 uA-O	10000 -		P
Open Neutral- Reversed Mains	33.9 uA-O	10000 -		P
Normal Condition- Reversed Mains	27.5 uA-O	5000 -		P
Enclosure Leakage Current				P
Normal Condition	0.7 uA-OP	100 -		P
Open Earth	0.8 uA-OP	500 -		P
Open Neutral	0.8 uA-OP	500 -		P
Open Neutral- Reversed Mains	0.7 uA-OP	500 -		P
Normal Condition- Reversed Mains	0.6 uA-OP	100 -		P
Open Earth- Reversed Mains	0.8 uA-OP	500 -		P


 Signature