Form B03 Scheduled Maintenance Work Order





Quantum Medical Solutions son bhd

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

Work Order No.							
	PWO365635	Sche	dule Month	June 2018			
Work Order Date	01/06/2018	Comp	leted Date	26 6 18			
Clinic Name	Klinik Pergigian Di Klinik Kesihatan Tan	Clinic	Code	JHR521			
BE No.	JHR010230	Distic	t	KOTA TINGGI			
BE Category	STERILIZING UNITS, STEAM	WO A	ssigned to	Huni			
Ownership	✓ Existing Equipment		Purchase	Ne w			
BE Condition	✓ Active		BER Proposed				
Work Order Type	Preventive Maintenance (PM)		Third Party Calibra	ation (TPC)			
work Order Type	Routine Inspection (RI)		Statutory Certifica	tion (SC)			
Reschedule Date	NA						
3E Third Party Calibration	/ Statutory Certification Details						
Company Name		Cal/C	ert Date		VA		
Contact Number	m	Cal/C	ert Expiry Date				
BE Sticker Availa				Serial No: NA			
Schedule Maintenance Exe							
SINo	QMS Engineer / Technician Name		Date	Start Time	End Time		
1 Hn	mi		2 /6/18	14:00	16:00		
lei .							
stomer Remarks							

MUHD RAM

First Verification QMS Circle Incharge

Technical Service Decariment Quantum Medical Solutions Sch. Bhd. Tal: +60 12-396 1697

Final Verification QMS State Incharge



KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist Sterlizing units, Steam

CHECKLIST NO:CL-148-000 **REV.001**

BE CODE : 13-746 PART 1 ASSET DETAILS pu 365635 ASSET NO > THR 010230 WORK ORDER NO **GENERAL** MANUFACTURER ► GENERAL MODEL FREQUENCY 3 MONTHLY () 6 MONTHLY (/) PPM HOURS ► 1 HOUR 12 MONTHLY () 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 ($\sqrt{}$) where appropriate CALIBRATION DUE ON SERIAL NO DESCRIPTION NO ASSET NO DIGITAL TEMPERATURE METER NA DIGITAL PRESSURE METER 74.8.18. 3218071 TEESA EST PART 4 QUALITATIVE TASKS Tick (√) where appropriate NA FAIL FAIL NA PASS) () 10 Over pressure cut of valve - Verify physical /) (1 Chassis - verify physical integrity, /) () (cleanliness and condition) () 11 Door lock - Verify physical integrity) (2 Power Cord - verify proper insulation and integrity) () 12 Door gasket Verify physical integrity Strain Relief - verify physical integrity at both ends of line cord 13 Check water tank leak) (Fittings/ Connectors - check all fittings/connectors) (14 Check drain valve -Physical integrity Controls/Switches - verify proper) (operation of controls) ()) 15 Check label) (6 Indicators/ Displays - verify proper illumination and operation) 16 Check demineralisation and sensor (if) () (7 Check fuse, circuit breaker available) 17 Check automatic water filling (if available)) () (8 Heater - verify physical Integrity ())(18 Replace Bacteria/Air Sterilization Filter) (9 Chamber - verify physical integrity (scalling, rusting, pitting or impurities) PART 5 PREVENTIVE MAINTENANCE TASKS Tick ($\sqrt{}$) where appropriate NOT NOT NA DONE DONE NA DONE DONE) 4 Lubricate all moving parts) () ((V)(1 Clean exterior and interior of the equipment) Notes: 2 Check / reptace gasket ***) (

(V)(

3 Check/ clean solenoids

) (

For all Parts, NA is defined as NOT APPLICABLE

** If you have ticked 'NOT DONE', then justify in Part 8

*** Choose Whichever Applicable



KEMENTERIAN KESIHATAN MALAYSIA

CHECKLIST NO:CL-148-000 REV 504

MEET Planned Preventive Maintenance Checklist
Sterlizing units, Steam
BE CODE: 13-746

WORK Order No

· Pwo 365635

PA	RT 6 SERVICE CHECKLIST						N			Paradallan	Checked	Serv		Repl	aced		ot Icable
No. of Lot	Description	Checked	Serv		Repla	ced	Not Applicable		No	Description		,)	()	()
		(V)	()	1)	()	16	Discharge Valve	(1)	,	′			,	,
1	Fuses	(0)	,	,	•		,	,	17	Infill Valve	~)	()	()	(,
2	Main Control Board	(1)	()	()	()			(V)	()	()	()
3	Control Board	(1)	()	()	()	18	Heating Element			,	,	١	()
١.	Fan Running Rear & Side	(V)	()	()	()	19	Heat Exchanger/Cooling system (if applicable)	(1)	(,	,	,	,	
1	Water Resevoir Float	(0)	•	Ĺ			,	`	20	Vacuum Pump	(~)	()	()	()
5	Switch/Water Level Sensor	(V)	()	()	(,	20		(V)	()	()	()
6	Water Resevoir	(1)	()	()	()	21	Door Gasket	•	`				,	١
7	Electric Door Lock	(\mathcal{V})	()	()	()	22	Chamber Guard Seal (if applicable)	(1)	()	()	(,
			,	,	,	,	()	23	Solid State Relay	(1)	()	()	()
8	Pressure Door Lock	(V)	(,	,	,	,	,		m	(V)	()	()	()
9	Discharge Door Lock	(V)	()	()	()	24	Thermostat Assembly	(0)	•				,	,
10	Pressure Transducer	(V	()	()	()	25	Temperature Sensor		()	()	()
11	Pressure Gauge	(1)	()	()	()	26	Thermal Printer (if applicable)	()	()	()	(~	/)
	-		· - ,	,	,	,	,)	27	Vacuum Pump (if applicable)	()	()	()	()
12	Safety Valve	(1)	()	()	(,	"						,	/•	
13	Air Valve/Steam Solenoid Valve	()	()	()	()	28	Filters / strainer	()	()	()	(0	,
14	Air Valve/Steam Solenoid Valve	(4	()	()	()									
	Air Valve/Steam Solenoid Valve	(1)	-,	١	()	()									
15	All Valversteam Solemold Valve	(0)	,	,		,	•	,									



KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist Sterlizing units, Steam BE CODE: 13-746

CHECKLIST NO:CL-148-000 REV.001

JRK ORDER NO .

PWO 365635

ART 8	QUANTITATIVE TASKS							
$k(\sqrt{)}$	where appropriate							
No	Description	Units /	Set Values	Measured Values	Limit/Tolerance	PASS	FAIL	NA
1	Temperature reading	°C	134	134	134-137 121-124	5	()	()
2	Pressure reading	bar	2.06	202	2.03-2.32 1.03-1.23	4	()	()
3	Electrical Supply Voltage	V			Refer to nameplate	· N	()	()
4	Electrical Power	kW		refer to EST	Refer to nameplate		()	1
DT 0	ELECTRICAL SAFETY TEST							
A STATE OF THE PARTY OF THE PAR	CICAL SAFETY TEST, (attach report)							
RT 1	NOTES		JA					
wo	CORRECTIVE MAINTENANCE REQUIRED RK ORDER NO NA		F	FUNCTIONIN		NOT FUNCTION		12/18
	been performed in accordance to the checklist and the equipment	is functioning	ng to the i		ose. WITNESSED BY U	SER:		
E:	Guaritum Medical Solutions Sdn. Bhd				DATE:			

Test Setup

Operator ID :

Calibration Tech : Calibration Date :

Firmware Version : Serial Number :

Date & Time : JOB Name : MOHANA 24/08/2018 2.08.01

3218071

26/06/2018 & 2:42pm

DUT Information

Equipment Number: JHR010230

Serial Number : Manufacturer : Model :

Location :KP TANJUNG SEDILI

Other:

Template Information

Template Name : STERILIZING UNITS Pause after Power ON NO

Power ON delay:
Test Speed: NORMAL
Halt on Test Failure: YES
Include Time: YES
Insulation Resistance \ 500V
Multi Enclosure Test: NO

Standard : Pause before Power OFF: Power OFF delay: Test Mode:

Multi PE Test: Multi Resstore: Reverse Polarity: Classification: IEC62353-Direct

NO

AUTO NO WORST/LAST YES

1

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	0.259 Ohm		0.3 -	Р
Insulation Resistance				P
Mains to Protective Earth	89.1 MOhm	-	-	P
Mains Voltage				P
Live to Neutral	241.2 V	-	-	P
Neutral to Earth	8.4 V	-	-	P
Live to Earth	257.3 V	-	- 690	P
Equipment Current	1.0 A	-	-	P
Direct Equipment Leakage				P
Open Earth	46.7 uA		500 -	P
Open Earth- Reversed Mains	68.6 uA		500 -	P
			Δ	