Form B03







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

Work Order No.	PWO365644	Schedule Month	June 2018						
Work Order Date	01/06/2018	Completed Date	20.6.18						
Clinic Name	Klinik Pergigian Di Klinik Kesihatan Sur	Clinic Code	JHR549						
BE No.	JHR003137	Distict	LEDANG						
BE Category	Sterilizing Units, Steam	WO Assigned to	ZAIDIE						
Ownership	Existing Equipment	Purchase	New						
BE Condition	✓ Active	BER Proposed							
Work Order Type	Preventive Maintenance (PM)	Third Party Calibra	ition (TPC)						
Work Order Type	Routine Inspection (RI)	Statutory Certificat	ion (SC)						
Reschedule Date									
E Third Party Calibrati	on / Statutory Certification Details								
Company Name	-	Cal / Cert Date	1						
Contact Number	_	Cal / Cert Expiry Date	—						
PM / RI job do Corrective Ma BE Sticker Av Remarks:		od & ready to use.	Manufacturer: SMPDY Modal: SA > 60 MA Serial No: 080 209004-012						
Schedule Maintenance	Execution Details								
SI No	QMS Engineer / Technician Name	Date	Start Time End Time						
<i>D</i> -	ZAIDIE	20.6.18	10.00 11.00						
,									
Customer Remarks									
Engineer / Technician Sign	ature	Customer Signature	0						
Name ZADIE		Name							
Date	Technical Sertice Department	Designation AZLEE	YASTR						
Qu	uantum Medical Solution Sdn D	Date JURUTEKN Seal KLINIK PE							
		OGAI REIMIN FE	30/05/8						
For Internal Use									

First Verification

QMS Circle Incharge

SHAIFUDIN BIN

Final Verification

QMS State Incharge

MOND SHAIFUDIN BIN SINI.
Biomedical Engineering
Quantum Medical Solutions
Hi/P: 012-3967638



KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist

CHECKLIST NO:CL-148-000 REV.001

Sterlizing units, Steam BE CODE: 13-746 PART 1 ASSET DETAILS

ASSET NO	► JHR 003137
MODEL	► GENERAL

FREQUENCY

WORK ORDER NO

MANUFACTURER

GENERAL

PW0365644

3 MONTHLY ()

6 MONTHLY (/)

12 MONTHLY () PPM HOURS ▶ 1 HOUR

PART 2 SPECIAL PRECAUTION																		
If the	re is	evidence of body fluid contan	nination,	submit the	e devic	e fo	r clea	ning	and	decontamination	on before inspec	cting it.						
Wear	арр	ropriate Personnel Protection	equipme	ent (PPE)	during	wo	rk.											
Wear	grou	unded electrostatic wristband	when har	ndling PC	B or el	ectr	onic o	com	oone	nts.								
Refer	Refer to the safety procedure for additional precautions and guidance as per manufacturer guidelines.																	
Make	Make sure the test equipment used are duly calibrated.																	
PAR	T 3	TEST APPARATUS								277.12								
Tick (Tick ($$) where appropriate																	
NO ASSET NO DESCRIPTION								SER	IAL NO	CA	\LIB	RATIO	ON D	UE C	N			
		TETJA 0025	DIGITAL	TEMPER	RATUR	EΝ	IETEI	R		-	29526201WS 26/12/2018							3
:	2 .	7451A 0338	DIGITAL	PRESSU	JRE MI	ETE	R				4.315	545		8	111	10	0/6	3
			-				7.11											\exists
PAR	T 4	QUALITATIVE TASKS																
Tick (√) u	here appropriate																
				PASS	FAI	L	N/	4					PAS	SS	FAI	L	NA	
		sis - verify physical integrity, liness and condition		(/)	()	()	10	Over pressure integrity	cut of valve - V	erify physical	(/	<u>~)</u>	()	()
		er Cord - verify proper insulati ntegrity	ion	(/)	()	()	11	Door lock - Ver	rify physical inte	grity	(/	-)	()	()
Strain Relief - verify physical integrity (/) () at both ends of line cord				()	12	Door gasket Ve	erify physical int	egrity	(/)	()	()			
	Fittings/ Connectors - check all () () () 13 Check water tank leak fittings/connectors						(/	()	()	()						
		ols/Switches - verify proper tion of controls		(/)	()	()	14	4 Check drain valve -Physical integrity				/)	()	()
		ntors/ Displays - verify proper nation and operation		(/)	()	()	15	15 Check label)	()	()
7 (Check	k fuse, circuit breaker		(/)	()	()	16	Check deminer available)	ralisation and se	ensor (if	(/)	()	()
8 F	Heate	er - verify physical Integrity		(/)	()	()	17	Check automa	tic water filling (if available)	(/	^)	()	()
		ber - verify physical integrity ng, rusting, pitting or impuriti	es)	(/)	()	()	18	Replace Bacte	ria/Air Sterilizati	on Filter	()	()	/)
PART	5	PREVENTIVE MAINTENANG	CE TASK	s														
Tick (V) wi	here appropriate																٦
				DONE	NO ^T		N/	A					DON	ΙE	NOT DON		NA	
	Clean equip	exterior and interior of the ment		(/	()	()	4	Lubricate all mo	oving parts		() (() (_	-)
2 (Check	replace gasket ***			()	()	Note	es:								
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

MEET Planned Preventive Maintenance Checklist Sterlizing units, Steam BE CODE: 13-746 CHECKLIST NO:CL-148-000 REV.001

WORK Order No

· pw0365644

PA	RT 6 SERVICE CHECKLIST															
No	Description	Checked	Serv		Replace		ot icable	No	Description	Checked	Serv		Replaced		N Appli	ot cable
1	Fuses	()	()	()	()	16	Discharge Valve	(()	()	()
2	Main Control Board	(/)	()	()	()	17	Infill Valve	(<)	()	()	()
3	Control Board	(/)	()	()	()	18	Heating Element	(/)	()	()	()
4	Fan Running Rear & Side	(/)	()	()	()	19	Heat Exchanger/Cooling system (if applicable)	(/)	()	()	()
5	Water Resevoir Float Switch/Water Level Sensor	(/)	()	()	()	20	Vacuum Pump	()	()	()	()
6	Water Resevoir	()	()	()	()	21	Door Gasket	(/)	()	()	()
7	Electric Door Lock	()	()	()	()	22	Chamber Guard Seal (if applicable)	()	()	()	()
8	Pressure Door Lock	(~)	()	()	()	23	Solid State Relay	(/)	()	()	()
9	Discharge Door Lock	()	()	()	()	24	Thermostat Assembly	(~)	()	()	()
10	Pressure Transducer	(′)	()	()	()	25	Temperature Sensor	(2)	()	()	()
11	Pressure Gauge	(<)	()	()	()	26	Thermal Printer (if applicable)	()	()	()	(-	-)
12	Safety Valve	(/)	()	()	()	27	Vacuum Pump (if applicable)	(/)	()	()	()
13	Air Valve/Steam Solenoid Valve	(/)	()	()	()	28	Filters / strainer	()	()	()	()
14	Air Valve/Steam Solenoid Valve	(/)	()	()	()									
15	Air Valve/Steam Solenoid Valve	(,)	()	()	()									
								1								
PA	RT 7 Technician Remarks	10000														
							MA									
		-														



KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist
Sterlizing units, Steam

CHECKLIST NO:CL-148-000 REV.001

BE CODE : 13-746 WORK ORDER NO - PWO 365644 PART 8 QUANTITATIVE TASKS Tick ($\sqrt{}$) where appropriate Units / Set Measured No Description Limit/Tolerance PASS FAIL NA Values UOM Values 134-137 Temperature reading 135°C 1 134°C °C 121-124 2.03-2.32 1.03-1.23 2.20 2 Pressure reading bar 2.10 (---) () () 3 Electrical Supply Voltage ٧ refer to EST Refer to nameplate (/) () () refer to EST Refer to nameplate () () () Electrical Power kW PART 9 ELECTRICAL SAFETY TEST ELECTRICAL SAFETY TEST, (attach report) (In accordance to IEC 60601) PASS FAIL NA PART 10 NOTES NA FUNCTIONING CORRECTIVE MAINTENANCE REQUIRED NOT FUNCTIONING NEXT PPM DATE - 12/18 WORK ORDER NO ▶_ PPM has been performed in accordance to the checklist and the equipment is functioning to the intended purpose.

COMPLETED BY:

DATE:

MUHD ZAIDIE BIN HALIL Technical Serivce Department Quantum Medical Solution Sdn. Bhd WITNESSED BY USER:

JURUTEKNOLOGI ZRGIGIAN U29
KLINIK PERGIGIAN ;

DATE:

Date: 26/6/2018

Test Setup

DUT Information

Operator ID:

Calibration Tech:

NADIA

Calibration Date:

25/8/2018

Firmware Version:

2.08.01

Serial Number:

3246911

Date & Time:

JOB Name:

Equipment Number: JHR 003137

Serial Number:

080229004-012

Manufacturer:

STURDY

Model:

SA260MA

Location:

KP SUNGAI MATI

26/06/2018 & 10:00 A.M Other:

Template Information

Template Name:

62353-Alt.STERILIZING

Standard:

IEC62353-Direct

Pause after Power ON: NO

Power ON delay:

2

Power OFF delay:

Pause before Power O NO

0

Test Speed:

NORMAL

Test Mode:

AUTO

Halt on Test Failure:

YES

Multi PE Test: Multi Resstore: NO WORST/LAST

Include Time:

YES

Insulation Resistance \ 500V

Reverse Polarity:

YES

Multi Enclosure Test: NO

Classification:

PLC Configuration-Applied part setup

AP Name AP Type

AP Num

ESA615 Test Results

Test Name	Value	High Limits Low Limits Sta	atus
· ·			
Protective Earth Resistance	0.258 Ohi	r 0.3 - P	
Insulation Resistance		P	
Mains to Protective Earth	38.9 MOh	יו P	
Mains Voltage		Р	
Live to Neutral	241.2 V	P	
Neutral to Earth	4.6 V	P	
Live to Earth	239.7 V	P	
Equipment Current	0.3 A	P	
Direct Equipment Leakage		Р	
Open Earth	29.3 uA	500 - P	
Open Earth- Reversed Mains	23.4 uA	500 - P	