Form B03 Scheduled Maintenance Work Order





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

Work Order No.	ork Order No. PWO365296				nedule	e Month	June 2018					
Work Order Date	(01/06/2	2018	Cor	mplete	ed Date	2016/18					
Clinic Name	ame Klinik Pergigian Di Klinik Kesihatan Sur					ode	JHR549					
BE No. JHR023406							LEDANG					
BE Category		Steriliz	ing Units, Portable	wo) Assig	gned to	Rabeah					
Ownership		V	Existing Equipment			Purchase	New					
BE Condition		V	Active	BER Proposed								
Work Order Type		V	Preventive Maintenance (PM)			Third Party Calibrat	tion (TPC)					
Trenk Graer Type			Routine Inspection (RI)			Statutory Certificati	on (SC)					
Reschedule Date												
3E Third Party Cal	ibration /	Statut	ory Certification Details									
Company Name			M^A	Cal	/ Cer	t Date	NIA					
Contact Number			414	Cal	/ Cer	t Expiry Date	N 1A .					
Action Taken												
PM / RI job done as per checklist. Unit tested functioning good & ready to use. Manufacturer: Melag												
Correcti	ive Mainter	nance /	Breakdown	Modal: Vacyklav 31 B								
BE Sticker Availability : Yes / NA							Serial No: 14	31B1067				
Remarks: ppm done as perchecklish												
Schedule Maintena	ance Exe	cution	Details		******							
SI No		QMS	Engineer / Technician Name			Date	Start Time	End Time				
1)			Pabech			20/6/18	10-00	11-00				
<u> </u>		12	all.									
Customer Remarks												
Engineer / Technicia	n Signatur	re		Customer Signature								
Name RABEAH						Name						
Date						Designation JURUTEKNOLOGI ZERGIGIAN U29						
							K PERGIGIAN: QQMAT					
			Seal 20/6/18									
2507 85 70-77 85 80-77												

For Internal Use

First Verification

QMS Circle Incharge

Biomedical Engineering
Learner Medical Solutions
Eng: 012-3967638

Final Verification QMS State Incharge



KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist Sterlizing units, Portable BE CODE : DE-031

CHECKLIST NO:CL-147-000 REV.001

															_		
PART 1	ASSET DETAILS																
WORK ORDER NO Ppm /pm 365296										ASSET NO	•	JHR	0 > 3	401	,		
MANUFACTURER ► mela5									MODEL	>	Vacat	Klav	31B	f			
FREQUENCY ► 3 MONTHLY () 6 MONTHLY (/)								12 MONTHLY	()	PPM HOURS	, -	1 HOUR					
PART 2	SPECIAL PRECAUTION																
If there is	evidence of body fluid contar	mination, sub	omit the c	device fo	or clear	ning a	and	decontamination	n before ir	nspecting it.				****			
Wear app	propriate Personnel Protection	n Equipment	(PPE) di	uring w	ork.												
Wear grounded electrostatic wristband when handling PCB or electronic components.																	
Refer to the	he safety procedure for additi	onal precaut	tions and	guidan	ce as p	er m	anu	facturer guidelir	nes.								
Make sure the test equipment used are duly calibrated.																	
PART 3 TEST APPARATUS																	
$Tick(\sqrt{1})$	where appropriate											T	1	>	4		
NO	ASSET NO	8		DESC	RIPTIC	N				SERIAL NO		CALIBRATION DUE ON					
1-	PHESA0025	DIGITAL TE	EMPERA	TURE	PROBE	Ξ			295.	20201 W	2	26/1	26/12/2018				
2.	TETSA 0338	DIGITAL PI	RESSUR	E MET	ER			المسلمة	H.	315545		8/1	1/20	1/8			
	2					•	W	A									
	· J														7		
DARTA	OUALITATING TASKS																
	QUALITATIVE TASKS					Т											
lick (V)	where appropriate		PASS	FAIL	N/	A						PASS	FAIL	NA			
1 Chassis - verify physical integrity, (/) () (cleanliness and condition)	9	Over pressure integrity	cut of valv	ve - Verify physica	I	(/) (()	()			
A STATE OF THE PARTY OF THE PAR	er Cord - verify proper insulat integrity	tion (/)	()	()	10	Door lock - Ve	ck - Verify physical integrity (✓) () ()		
	in Relief - verify physical integ oth ends of line cord	grity ()	()	(/	-)	11	1 Door gasket Verify physical integrity () () (()		
	ngs/ Connectors - check all gs/connectors	(/)	()	()	12	Check water to	ank leak			(\mathcal{N})	()	()		
5 Cont	keyped/switch trols/Switches - verify proper ation of controls	(/)	()	()	13	Check drain va	alve -Physi	ical integrity		(1)	()	()		
	ators/ Displays verify prope	r (/)	()	()	14	Check label				(/)	()	()		
7 Chec	ck fuse, circuit breaker	(/)	()) ()	15	Waste Water I	Resevoir/B	Bottle - clean & ver	rify	(2)	()	()		
8 Heat	ter - verify physical Integrity	(1)	()	(og.ity									
	mber/Cassette - verify physicality (scalling, rusting, pitting of																
PART 5	PREVENTIVE MAINTENAN	ICE TASKS															
$Tick(\sqrt{y})$	where appropriate																
		Į.	DONE	NOT DONE	N/	4						DONE	NOT DONE	NA			
Clean exterior and interior of the equipment ** () () ())	4	Lubricate all m	noving part	s		()()	<u>/</u>)			
2 Chec	/ replace gasket ***	(<u>/</u>)(() ()	Notes:										
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, Portable

BE CODE : DE-031

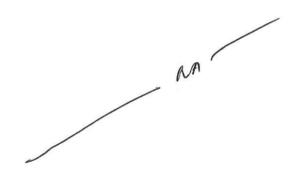
CHECKLIST NO:CL-147-000 REV.001

WORK Order No

-tr Pw0365296

PA	PART 6 SERVICE CHECKLIST																
No	Description	ption Checked		rice/	Replaced		Not Applicable		No	Description	Checked	Service/CI ean		Replaced		Not Applicable	
1	Fuses	V)	()	()	()	16	Chamber Guard Seal (if applicable)	(/)	()	()	()
2	Main Control Board	(/)	()	()	()	17	Solid State Relay (if applicable)	(کسمیر)	()	()	1	^)
3	Fan Running Rear & Side (if applicable)	(/)	()	()	()	18	Thermostat Assembly	()	()	()	(_	?)
4	Clean Water Resevoir	(/)	()	()	()	19	Thermal Printer (if applicable)	()	()	()	(_	1
5	Electric Door Lock	(/)	()	()	()	20	Vacuum Pump (if applicable)	(/)	()	()	()
6	Pressure Door Lock	(/)	()	()	()	21	Temperature Sensor	(/)	()	()	()
7	Discharge Door Lock	(/)	()	()	()	22	Filters		()	()	()
8	Pressure Transducer	(/)	()	()	()									
9	Pressure Gauge	(/)	()	()	()									
10	Safety Valve	(/)	()	()	()									
11	Air Valve/Steam Solenoid Valve (if applicable)	(/)	()	()	()									
12	Discharge Valve	(/)	()	()	()									
13	Feed Water Valve (if applicable)	1	()	()	()									
14	Heating Element	(/)	()	()	()									
15	Door Gasket/Cessette Seal	(/)	()	()	()									

PART 7 Technician Remarks





DATE:

KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist Sterlizing units, Portable CHECKLIST NO:CL-147-000 REV.001

KLINIK PERGIGLY : 8 - WAT

DATE:

BE CODE : DE-031 WORK ORDER NO PW 365 796 PART 8 QUANTITATIVE TASKS Tick (√) where appropriate Units / Set Measured Limit/Tolerance No Description PASS FAIL NA UOM Values Values 134-137 121-124 1 Temperature reading 134 135 °C 2-15 2.03-2.32 2-03 2 () () Pressure reading - non absolute pressure reading bar 1.04-1.24 Refer to 3 Electrical Supply Voltage ٧ J41-3v refer to EST Nameplate Refer to Electrical Power/Consumption kW refer to EST Nameplate PART 9 ELECTRICAL SAFETY TEST ELECTRICAL SAFETY TEST, (attach report) (In accordance to IEC 60601) PASS FAIL NA PART 10 NOTES NA FUNCTIONING NOT FUNCTIONING CORRECTIVE MAINTENANCE REQUIRED NEXT PPM DATE 14/5018 WORK ORDER NO ►_ PPM has been performed in accordance to the checklist and the equipment is functioning to the intended purpose. COMPLETED BY: WITNESSED BY: JURUTEKNOLOGI ZERGIGIAN U

Date: 20/6/2018

Test Setup

DUT Information

Serial Number:

Manufacturer:

Equipment Number: JHR 023406

Operator ID:

Calibration Tech:

NADIA

Calibration Date:

25/8/2018

Firmware Version:

2.08.01

Serial Number:

3246911

Date & Time: JOB Name:

20/06/2018 & 10:00 P.M

Other:

Model: Location: VACUKLAV 31B+

KP SUNGAI MATI

1431B1067

MELAG

Template Information

Template Name:

62353-Alt.STERILIZING

Pause after Power ON: NO

Power ON delay:

2

NORMAL

Test Speed:

Halt on Test Failure: YES

Include Time:

YES

Insulation Resistance \ 500V Multi Enclosure Test: NO

Standard:

IEC62353-Direct

0

Pause before Power O NO

Power OFF delay:

AUTO

Test Mode: Multi PE Test:

NO

Multi Resstore:

WORST/LAST

Reverse Polarity:

YES

Classification:

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	0.22 Ohm	0.3	-	Р
Insulation Resistance				Р
Mains to Protective Earth	58.3 MOh	1-	-	Р
Mains Voltage				Р
Live to Neutral	238.9 V	=	-	Р
Neutral to Earth	3.4 V	=	=	Р
Live to Earth	239.3 V	-	=	Р
Equipment Current	0.2 A	-	_	Р
Direct Equipment Leakage				Р
Open Earth	34.6 uA	500	-	Р
Open Earth- Reversed Mains	56.6 uA	500	-	Р