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.	F	PWO365364	Schedule Month June 2018								
Work Order Date	0	1/06/2018	Cor	npleted Date	26/6/18						
Clinic Name	К	Klinik Kesihatan Batu Pahat	Clir	ic Code	JHR003						
BE No.	J	HR000011	Dis	tict	BATU PAHAT						
BE Category	F	Photometer, Filter, Manual	wo	Assigned to	Farhan						
Ownership		Existing Equipment		Purchase	New						
BE Condition		✓ Active		BER Proposed	ER Proposed						
Work Order Type		Preventive Maintenance (PM)		Third Party Calibration (TPC)							
TVOIN Grade Type		Routine Inspection (RI)		Statutory Certification (SC)							
Reschedule Date		•									
BE Third Party Calibration / Statutory Certification Details											
Company Name		ha	Cal	/ Cert Date							
Contact Number			Cal	/ Cert Expiry Date	MA						
Action Taken	ļ.										
PM/R	PM / RI job done as per checklist. Unit tested functioning good & ready to use. Manufacturer:										
	tive Mainten		ou u	cady to use.	Modal:						
	cker Availabi	ility: Yes / NA			Serial No : 🖊	4					
Remarks:											
Schedule Maintenance Execution Details											
Schedule Mainten	ance Exec	ution Details		_							
Schedule Mainten	ance Exec	ution Details QMS Engineer / Technician Name		Date	Start Time	End Time					
	Fare			Date 74 (UIS	Start Time	End Time					
	Forho										
SI No	Forho	QMS Engineer / Technician Name									
SI No	Falo	QMS Engineer / Technician Name	Cust								
SI No Customer Remarks Engineer / Technicia	Falo	QMS Engineer / Technician Name	Nam	omer Signature							
Customer Remarks Engineer / Technicia Name Date	Falo	QMS Engineer / Technician Name MOHD NAJIB FARHAN B. ISMAIL BIOMEDICAL ENGINEER	Nam Desi	omer Signature	IZA BINTI ABD	1. AZ1Z 032 (KUP)					
SI No Customer Remarks Engineer / Technicia	Falo	MOHD NAJIB FARHAN B. ISMAIL BIOMEDICAL ENGINEER (012-396 7048)	Nam	omer Signature	IZA BINTI ABD	AZIZ U32 (KUP)					

QUANTUM MEDICAL-SOLUTIONS
RAZILE SINT MORALE
BIOMEDICAL ENLINEER

First Verification

QMS Circle Incharge

Final Verification QMS State Incharge





KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist Photometer, Filter, Manual

BE CODE : 18-258

CHECKLIST NO:CL-110-000 REV.000

PART 1	ASSET DET	AILS															
WORK (ORDER NO	•	PW 0 3	6536	4						BE NO ►	丁	HL	00	00	11	
MANUFA	CTURER	>	MA								MODEL ►	M	1				
FREQUE	NCY	•	6 MONTH	HLY () 1	2 MO	NTH	LY (¬)		PPM HOURS ▶	0.50					
PART 2	SPECIAL PR	RECA	UTION														
If there is	evidence of b	ody fl	uid contam	ination, s	ubmit the	device	e for	cleanin	and	decontamination	before inspecting it.						
Wear app	propriate Perso	onnel	Protection	Equipme	ent (PPE) d	luring	work										
	unded electro				8.75												
	ne sarety proc e the test equi			50		a guia	ance	as per	manı	facturer guideline	9S.						
	TEST APPA			daily daile	ratou.						ol and application of the second						
Tick (√)	where appropri	ate															
NO	ASS	ET N	0			DE	SCF	RIPTION	ı		CALIBRATION DUE ON						
	TEER	00	74	Electrical Sch			leh		iA	m4906	9/10/18						
			-, \					- 6				•					
DART A	QUALITATIV	IC TA	eve														
	where appropri		ONG						T								
	11 1				PASS	FA	AIL.	NA				PAS	S	FAI	L	NA	
	ssis - verify ph nliness and co					()	()	Controls/Switc controls	thes - verify proper operation of		^)	()	()
2 Mou	nt/ Fasteners	- verif	y physical	integrity		()	() 8	Indicators/ Dis	plays - verify proper illumination	()	()		^)
			, , ,		5.1350	1.8%				and operation							
3 AC I	Plug - verify in	tegrity			()	()	() 9		r/Fuse - verify integrity of external and/or rating of external fuse	()	()	(/)
7 NO			e 12 12 12 12 12 12 12 12 12 12 12 12 12	. 2				120			200 - 17		20			25	14
4 Pow integ	er Cord - verif grity	y prop	er insulation	on and		()	() 1	0 Check lamp al	ignment)	()	()
5 Stra	in Relief - ver	ify phy	sical integ	rity at	(/)	()	() 1	1 Filters- Verify p	physical integrity	()	()	4)
both	ends of line of	ord													70 8		
	ngs/ Connecto gs/connectors		neck all		(/)	()	() 1		r - check and verify proper d physical integrity	()	()	(-)
	90/00/111001010									*		,			**		-
									1		er- check and verify proper d physical integrity		.)	()	()
Tick (√)	where appropri	ate							+								_
, ,	11				DONE	NC	DΤ										
					DONE	DON		NA									
1 Insp	ect/ Clean ext	erior 8	& Interior of	f unit	(()	()								
2 Clea	in Filters and s	senso	r		()	()	(
					. ,	1.AC	,		No	otes:							
	fy photometry			uracy	()	()	())		NA is defined as NOT APPLICABLE cked 'NOT DONE', then justify in Part 8						
usin	g appropriate	รบเนเด	11							*** Choose which							



KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist

Photometer, Filter, Manual

BE CODE : 18-258

CHECKLIST NO:CL-110-000 REV.000

WORK (ORDER NO ►					
PART 6	QUANTITATIVE TASKS					
Tick (√)	where appropriate					
No	Description	Units / UOM	Set Values	Measured Values	Limit/Tolerance	PAS FAIL NA S
	NOT APPLICABLE					() () ()
PART 7	ELECTRICAL SAFETY TEST					
	ICAL SAFETY TEST, (attach report)					
	where appropriate					
	Standard use :		Result:			
	IEC 60601 IEC 61010 IEC 623	153		PASS	FAIL	NA
- The Control of	NOTES			Su		
		res				
	CORRECTIVE MAINTENANCE REQUIRED			FUNCTIONII		NOT FUNCTIONING NEXT PPM DA Jule 1
WO	RK ORDER NO ►)		* x	To the second of	NEXT PPM DA ► June F
	been performed in accordance to the checklist and the equipment is	s functionii	ng to the in	ntended purpo		
DATE :	76/6/18					

Test Setup

DUT Information

Operator ID:

Equipment Number: JHR000011

Calibration Tech:

DINA

Serial Number: Manufacturer:

NA

Calibration Date : Firmware Version:

9/10/2017 2.08.01

Model:

NA

Serial Number:

3226906

Location:

Date & Time:

06/26/2018 & 13:50

Other:

KK BP

JOB Name:

Template Information

Template Name:

JHR000011

Standard:

IEC60601-1-2nd Ed

Pause after Power ON: NO

Pause before Power O NO

Power ON delay:

Power OFF delay:

0

Test Speed:

Test Mode:

AUTO

Halt on Test Failure: YES

NORMAL

Multi PE Test:

NO

Include Time:

YES

Multi Resstore:

WORST/LAST

Insulation Resistance \ 500V

Reverse Polarity:

YES

Multi Enclosure Test: NO

Classification:

11

PLC Configuration-Applied part setup

AP Name AP Type AP Num

ESA615 Test Results

Test Name	Value	High Lin	nits Low	Limits Status
Insulation Resistance				Р
Mains to Non-Earth Accessible Conductive Part	999 MOhr	1-	.=	Р
Mains Voltage				Р
Live to Neutral	241.1 V	1 3	=	Р
Equipment Current	0.2 A	-	-	Р
Enclosure Leakage Current				Р
Normal Condition	0.6 uA-OP	1	00 -	Р
Open Neutral	0.7 uA-OP	5	00 -	Р
Open Neutral-Reversed Mains	0.5 uA-OP	5	00 -	Р
Normal Condition- Reversed Mains	0.6 uA-OP	1	00 -	Р
Earth Leakage Current				Р
Open Neutral	2.0 uA-OP	10	00 -	Р

MOHD NAJIB FARHAN B. ISMAIL BIOMEDICAL ENGINEER (012-396 7048) DUANTUM MEDICAL SOLUTIONS SON, BHR.

Signature