

T. ARUN PRASAD, M.Tech. MBA. (Ph.D)
Managing Director
Consultant Biomedical Engineer

GSTIN: 33APLPA 1828A1ZM

Calibration Protocol & Report for Medical Equipment

Equipment: **AUTO ANALYSER**

Protect Class/Type: Risk class 2/CF

Make:Prietesttouch

S.No :ATCD3550321RBK

Model:Robonik

Location :**THANAMPATTI-GPHC**

S.no	Measurement Parameters	Status	Remarks
I	Electrical test (a). Safety Standards (range: 210-240 V) (b). Equipotential ground &Earthing (c).Risk of shock/fire Hazards, if any (d). Chassis&Insulation Resistance (e). Earth & Chassis Leakage Current (f). Battery condition & charging status	230 volts 0 to 5 volts no zero ohms 10mA	Stabliser/ups Wih in ranges
II	Physical Condition Test (a). Cabinet & Visible damages, if any (b). Spo2 probe, clip,extn cable, Power cord & accessories (c). Risk of mechanical damages, if any)	No ok No	Checked ok
III	Performance Test (a). biochemistry test Test (b). photo detector test (c). Optics performance (d). Abnormalities (e). Display checkup (f). Keypad/indicators & connectors	Normal Ok/Wave lenth No Ok Well	Fine clarity Perfect Nm
IV	Calibration Test (a). Input power regulation done (b).SMPS power supply various outputs calibrated-/+3V,5V,12V calibration done (c). Power supply to sourceCal- (d). Source lamp Sensor Cal-II (range: 1250-1300ohms) (e). Detector sensitivity (range: 370-940nm)	tuning Calibrated Done 6Dc Done 1250ohms Normal	Tuned in range Well
Formulated By: Einstein Research Laboratory		Issued By:	
Endorsed By: Research team head		User Department:	
Reviewed On : 11/10/2023 Next Review: 10/04/2024			

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Calibration Protocol & Report for Medical Equipment

Equipment: **CENTRIFUGE**

Protect Class/Type: Risk class 1

Make:REMI

S.No :KDLC-13792

Model: REMI

Location : **THANAMPATTI-GPHC**

S.no	Measurement Parameters	Status	Remarks
I	Electrical test (a). Safety Standards (range: 210-240 V) (b). Equipotential ground &Earthing (c).Risk of shock/fire Hazards, if any (d). Chassis&Insulation Resistance (e). Earth & Chassis Leakage Current (f). Battery condition & charging status	230 volts 0 to 5 volts no zero ohms NA	Stabliser/ups Wih in ranges
II	Physical Condition Test (a). Cabinet & Visible damages, if any (b). Spo2 probe, clip,extn cable, Power cord & accessories (c). Risk of mechanical damages, if any)	No ok No	Checked ok
III	Performance Test (a). On/off switch (b).Speed regulator switch & functional tests (c). Running test (d).Abnormalities (e). Display checkup (f). Keypad/indicators & connectors	Normal Ok accurate ok Ok Well	Perfect Perfect Ok
IV	Calibration Test a). Vibration test (b). Speed regulation gradual hike/ (c). Running test with load (d). Display checkup (f). timer test	Done ok	Perfect
Formulated By: Einstein Research Laboratory		Issued By:	User Department:
Endorsed By: Research team head			
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GSTIN: 33APLPA 1828A1ZM

Calibration Protocol & Report for Medical Equipment

Equipment: **MICROSCOPE**

Protect Class/Type: Risk class II/CF

Make:LYNX

S.NO. :XSZ-N1071

Model:Lawrance may

Location : **THANAMPATTI-PHC**

S.no	Measurement Parameters	Status	Remarks
I	Electrical test (a). Safety Standards (range: 210-240 V) (b). Equipotential ground &Earthing (c).Risk of shock/fire Hazards, if any (d). Chassis&Insulation Resistance (e). Earth & Chassis Leakage Current (f). Battery condition & charging status	235 volts 0 to 5 volts No zero ohms 10mA	Stabliser/ups Wih in ranges
II	Physical Condition Test (a). Cabinet & Visible damages, if any (b). Spo2 probe, clip,extn cable, Power cord & accessories (c). Risk of mechanical damages, if any)	No ok No	Checked ok
III	Performance Test (a).Halogen light intensity (b). intensity test taken by lux meter for a particular lamp & results (c). Measurement of Lux (d). Lamp life time	Normal Ok OK ok	Fine brightness perfect 20000 hrs Appx
IV	Calibration Test (a). LED lamps intensity (b). intensity test taken by lux meter for a particular lamp & results (c). Measurement of Lux (d). Lamp life time	Ok Done 1200 lux ok	In range Peak In range In range
Formulated By: Einstein Research Laboratory		Issued By:	
Endorsed By: Research team head		User Department:	
Reviewed On :11/10/2023 Next Review: 10/04/2024			

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