



G MULTI SERVICES

78, Yahoob Street, Gobichettipalayam, Erode Dist, Tamil Nadu. Pin: 638 452.

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

Bio Medical Instruments Services

Er. A. Ibathul Raziq DECE., BE (ICE)
Bio Medical Engineer

Calibration Protocol & Report for Medical Equipment

Equipment : MICROSCOPE
MAKE : LABOMED
MODEL : NA

PROTECT CLASS /TYPE : Risk Class II/CF
S. No. : 170699573
Location : GPHC, PUNGAMPATTU NADU

S.No	Measurement Parameters	Status	Remarks
1	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 conditions & charging status	235 volts 0 to 5volts No Zero ohms 10mA ---	Stabilizer/Ups With in Ranges Well
2	Physical Condition Test (a) Cabinet & Visible damages, if any (b) Power Supply unit, halogen lamps, Power cord accessories (c) Risk of mechanical damages, if any	No OK No	 Checked ok
3	Performance Test (a) Halogen lamps intensity (b) Intensity test taken by lux meter for a particular lamp & results (c) Measurement of lux/Lens range (d) Lamp life time	Normal OK OK OK	Fine Brightness Perfect 20000 hrs Apprx.
4	Calibration Test (a) LED lamps intensity (b) Intensity test taken by lux meter for a particular lamp & results (c) Measurement of Lux/Lenses cal (d) Lamp life time	OK Done 1200 Lux OK	In range Peak in range In range
Formulated By: Edition Research Laboratory		Issued By:	User Department:
Endorsed By: Research team head 			
Reviewed On: 12.09.23 Next Review : 11.09.24			





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Bio Medical Engineer

Calibration Protocol & Report for Medical Equipment

Equipment : PIPETTE
MAKE : FINNPIPETTE F3
MODEL : 100-1000 μ L

PROTECT CLASS /TYPE : Risk Class II
S. No. : RW12699
Location : GPHC, PUNGAMPATTU NADU

S.No	Measurement Parameters	Status	Remarks
1	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 conditions & charging status	----	-
2	Physical Condition Test (a) Cabinet & Visible damages, if any (b) Risk of mechanical damages, if any	No No	Checked OK
3	Performance Test (e) Mean 99.3 μ L (f) A -0.5 μ L (g) Acc % -0.71 (h) CV% -0.36	OK OK OK OK	
4	Calibration Test min volume 100 μ L max Volume 1000 μ L (e) A+ or - 1.5, 5 μ L (f) S 1.5 μ L max Vol. 1000 μ L (g) Acc+ or - 1.50, 0.50 (h) CV% 0.40, 0.20	Ok Ok Ok Ok	Tested
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Bio Medical Engineer

Calibration Protocol & Report for Medical Equipment

Equipment : PIPETTE
MAKE : FINNPIPETTE F3
MODEL : 10-100 μ L

PROTECT CLASS /TYPE : Risk Class II
S. No. : RW09830
Location : GPHC, PUNGAMPATTU NADU

S.No	Measurement Parameters	Status	Remarks
1	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 conditions & charging status	-	-
2	Physical Condition Test (a) Cabinet & Visible damages, if any (b) Risk of mechanical damages, if any	No No	Checked OK
3	Performance Test (a) Mean 99.3 μ l (b) A -0.6 μ l (c) Acc % -0.71 (d) CV% -0.36	OK OK OK OK	
4	Calibration Test min volume 10 μ l max Volume 100 μ l (a) A+ or - 1.5, 5 μ l (b) S 1.5 μ l max Volume 5 μ l (c) Acc+ or - 1.50, 0.50 (d) CV% 0.40, 0.20	Ok Ok Ok Ok	Tested
Formulated By: Edition Research Laboratory		Issued By:	User Department:
Endorsed By : Research team head Reviewed On: 12.09.23 Next Review : 11.09.24			





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Bio Medical Engineer

Calibration Protocol & Report for Medical Equipment

Equipment : SEMI AUTO ANALYSER
MAKE : ROBONIK
MODEL : PRIETEST TOUCH

PROTECT CLASS /TYPE : Risk Class I
S. No. : ATCD1580519RBK
Location : GPHC, PUNGAMPATTU NADU

S.No	Measurement Parameters	Status	Remarks
1	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 conditions & charging status	230 volts 0 to 5 volts No Zero ohms 10mA NA	Stabilizer/UPS With in Ranges Well
2	Physical Condition Test (a) Cabinet & Visible damages, if any (b) Front Panel/Top lid, buckets, motor assembly & power cord (c) Risk of mechanical damages, if any	No OK No	Checked OK
3	Performance Test (a) On /Off switch (b) switch & functional tests (c) Running test (d) Abnormalities (e) Display checkup (f) Keypad/indicators & connector	Normal OK OK No Well Well	Ok Perfect Perfect
4	Calibration Test (a) End Point Test (b) Display checkups (c) Filter selection (d) Record OD (e) Calculation (f) Two Point Test (g) Kinetic Test (h) Result	Done Ok OK OK Well Perfect	Perfect
Formulated By: Edition Research Laboratory		Issued By:	User Department:
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Calibration Protocol & Report for Medical Equipment

Equipment : **CENTRIFUGE**
MAKE : LABOTECH
MODEL : BDI-152

PROTECT CLASS /TYPE : Risk Class I
S. No. : 133001
Location : GPHC, PUNGAMPATTU NADU

S.No	Measurement Parameters	Status	Remarks
1	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 conditions & charging status	230 volts 0 to 5 volts No Zero ohms 10mA NA	Stabilizer/UPS With in Ranges Well
2	Physical Condition Test (a) Cabinet & Visible damages, if any (b) Front Panel/Top lid, buckets, motor assembly & power cord (c) Risk of mechanical damages, if any	No OK No	 Checked OK
3	Performance Test (a) On /Off switch (b) Speed regulator switch & functional tests (c) Running test (d) Abnormalities (e) Display checkup (f) Keypad/indicators & connector	Normal OK Accurate OK No Well Well	Ok Perfect Perfect
4	Calibration Test (a) Vibration test (b) Speed regulation gradual hike/wobbling test (c) Running test with load (d) Display checkup (e) Timer test	Done Ok	Perfect
Formulated By Edition Research Laboratory		Issued By:	User Department:
Endorsed By : Research team head 			
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