



# SILICON TECHNOLOGIES

2 & 3, Devi Illam, Priya Nagar,  
Telungupalayam Pirivu,  
Coimbatore - 641 039, TamilNadu.

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

GSTIN : 33APLPA1828A1ZM

## Calibration Protocol & Report for Medical Equipment

Equipment : SEMI AUTO ANALYSER Protect Class/Type : Risk class II/CF

Make : ROBONIK S.No : ATCD2580818RBK

Model : PRIETEST TOUCH Location : ADAMANGALAM PUDUR- GPHC

S.no	Measurement Parameters	Status	Remarks
I	<b>Electrical Test</b> (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	235volts 0 to 5volts No Zero ohms 10mA -	Stabilizer/UPS  With in ranges well
II	<b>Physical Condition Test</b> (a). Cabinet & Visible damages, if any (b). Switches, display, optics chamber, Power cord accessories (c). Risk of mechanical damages, if any	No Ok  No	  Checked ok
III	<b>Performance Test</b> (a). biochemistry test (b). photo detector test (c). Optics performance (d).Abnormalities (e). Display checkup (f). Keypad/indicators & connectors	Normal Ok /wave length No Ok Well	Fine Clarity perfect nm
IV	<b>Calibration Test</b> (a). Input power regulation done (b). SMPS power supply various outputs -/+3V,5V,12V calibration done (c). Power supply to sourceCal -I (d). Source lamp Sensor Cal-II (range: 1250-1200ohms) (e). Detector sensitivity (range: 370-940nm)	Tuned calibrated done 6VDC Done 1282 ohms  755nm	  tuned in range  well
Formulated By : Einstein Research Laboratory		Issued By:	User Department:
Endorsed By : Research team head		T.Arunprasad SILICON TECHNOLOGIES	
Reviewed On : 12.09.23 Next Review : 12.03.24		Blomedical Instrumentation Company COIMBATORE - 641 039 Cell: 98652 85754, 81246 75020	

98652 85754, 81246 75020