

SRI SARAVANA ELECTRICAL SERVICE CENTRE

4/9, PERUMAL SALAI, NEW PERUNGALATHUR. CHENNAI-600 063 No.

Specialist in: All kind of Scientific Instruments and Medical Equipments, Service Works Hospital, College, Clinical Lab, Blood Bank Equipments, Cooling Centrifuges, B.O.D, Incubator, Auto Clave, Furnace, Microscopes, Laminar Flow, Deep freezers, Incubators, Hot air ovens. And others Calorimeter,

We Are Undertaking Annual Maintenance Contract and Instruments Calibration.

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CALIBRATION CERTIFICATE

CUSTOMER NAME AND ADDRESS
THE BIOCLINICAL LABORATORY,
(R.T.O. BUILDING)
NO.4, SAI NAGAR MAIN ROAD,
VIRUGAMBAKKAM,
CHENNAI-600 092.

CALIBRATION CERTIFICATE NO : 3071/21
DATE OF CALIBRATION : 09-02-2021
NEXT CALIBRATION DATE : 09-02-2022

DESCRIPTION OF ITEM : LABORATORY CENTRIFUGE. ELECTRA
MODEL NO : R.8C- /8/13
SL.NO : HGLC-10541
ROTOR HEAD : 16X15 ML . SOH
LOCATION : LABORATORY
MAKE : REMI

DETAILS OF EQUIPMENT USED FOR CALIBRATION:

SR.	DESCRIPTION	CERTIFIED BY	CERTIFICATE.NO.	VALIDITY
1.	DIGITAL TACHO METER. LUTRON MODEL. DT.2234.C. SL NO.L.207666	NORTH LAB CHENNAI. 4 NABL.	CERTIFICATE XEROX ENCLOSED	CERTIFICATE XEROX ENCLOSED

OBSERVATIONS:

SR.	INSTRUMENT SPEED DISPLAYED (RPM)	SPEED READING ON TACHOMETRE (RPM)	DIFF. IN. ACTUAL & TACHOMETRE (RPM)	REMARK
1.	1000	1060	60	Acceptable
2.	1750	1800	50	Acceptable
3.	2600	2650	50	Acceptable
4.	3000	3060	60	Acceptable
5.	4000	4050	50	Acceptable

Remark: 1. CALIBRATION TRACEBLE TO NATIONAL STANDARDS
2. OVERALL DEVIATION IS WITH IN SPECIFIED ACCURACY, HENCE THE INSTRUMENT IS OK.
3. RESULTS ARE RELATED ONLY TO THE ITEM CALIBRATED
4. MAXIMUM TOLERANCE PERMISSIBLE IS ± 100 RPM
5. TRACEABILITY XEROX COPY ENCLOSED

AUTHORIZED SIGNATURE & CALIBRATED BY

R. DURAI BABU
(Service Engineer)

Calibration Certificate

This is to Certify that Biochemistry Analyzer Meril **AutoQuant-100 Amara** Instrument Sr. No. **AQ020715** Installed at **The Bioclinical Lab, Chennai** has been calibrated by our engineer on **02-Jan-2021**, with appropriate and sophisticated tools. Below parameter has been calibrated:

TEST ITEMS AND RESULT

Appearance	No Imbalance Probe Movement
Leakage in Water tubing or CRU	No water leakage
Ambient temp (15- 32) Degree	24.0 degree C
Lamp Check	Ok
Sample Dispersing Volume	In range (0 to 30 ul)
Reagent cooling Temperature	8 ° C (0 to 15 Degree)
Optical Path length	0.65
Waster & Water Sensor	Working Properly
Threshold value	±34000 (≥25,000)
Valve & Motor	Working Properly
Reagent Dispensing Volume	In range (0 to 150 ul)
Power Supply and Earthing	230 Volts and Grounding less then 5 V
CV-Kinetic/End point/two Point	CV- 1.77% /2.42% /2.80%
SD-Kinetic/End point/two Point	SD- 1.15/0.39/0.69
Mean-Kinetic/End point/two Point	Mean- 97.55/14.34/24.79
Hardware Check-Functional Test	OK5415152524141112
Light Quality Check	OK
Cuvette Absorbance	OK
Cuvette Blank Value	OK >33000
Incubation temp.	37.0 ° C
Room temp.	25.0 degree C

This Calibration Certificate is Valid Up to **01-Jan-2022**.

Conclusion: All parameter are within range. The Machine is working properly. (As per Meril terms.)

Engineer Name: **Mr. Vishnu G- Service Specialist**



T +91 260 3052100
F +91 260 3052125

www.merillife.com

Meril Diagnostics Pvt. Ltd.
Survey No.135/2/B, Bilakhia House
Muktanand Marg, Chala
Vapi - 396191. Gujarat, India.